



Ceco

STEEL WINDOWS
AND DOORS

COMMODITY PRODUCTS CATALOG AND PRICE LIST

Zone A



**REPEAT BUSINESS
REPEAT PROFITS**

for You

2

Over and over, modern builders are creating satisfied owners with Ceco Steel Windows and Doors for either residential or industrial types of construction. Builders in your community will be quick to realize that, without extra cost, they can secure the extra convenience and value . . . the long-lasting quality of Ceco Steel Windows and Doors. Owner satisfaction brings repeat business . . . and repeat profit for you!

A Quality Product Through and Through

Produced in America's most modern window plant, all Ceco Steel Windows and Doors are carefully made, rigidly inspected. For over a quarter of a century, Ceco products have been known in the building industry and used in some of the finest structures. When you deliver Ceco products to your customers, you know you have given them the best on the market.

Ceco Advertising

Reaching thousands of builders throughout the nation, Ceco's national trade magazine advertising supports your sales effort. Ceco products are known among your local builders. Tie in with this sales-stimulating publicity. Watch for Ceco's advertising during 1941!

22 Offices and Warehouses for Prompt Service!

On the back cover of this catalog you will find a list of Ceco sales offices and warehouses. Depend upon the one nearest you for prompt handling of your orders, which will be given immediate attention.

Ceco Offices Will Gladly Cooperate

In your nearest Ceco office a trained engineer is always ready to assist you with any special problems. Use this service freely. It is the aim of the entire Ceco organization to help you and your customers receive the greatest possible satisfaction from any Ceco products you use.

CECO STEEL WINDOWS
*Cost no more than
Ordinary Windows*



CECO STEEL PRODUCTS CORPORATION

Manufacturing Division: 5701 W. 26th St., Chicago, Illinois

General Offices: Omaha, Nebraska

Sales Offices and Warehouses in all Principal Cities—See Complete List on Back Cover

CECO COMMODITY PRICE LIST

1941 - Zone A

All Prices Shown Are Builders
Net Prices

Prices in This Book Apply to
Zone A Only

Prices are F. O. B. shipping point, freight allowed to destination. Sales or use taxes NOT included.

Consult inside back cover to determine whether your locality lies within this zone.

TERMS: Net 30 days from date of shipment. PRICES: Subject to change without notice.

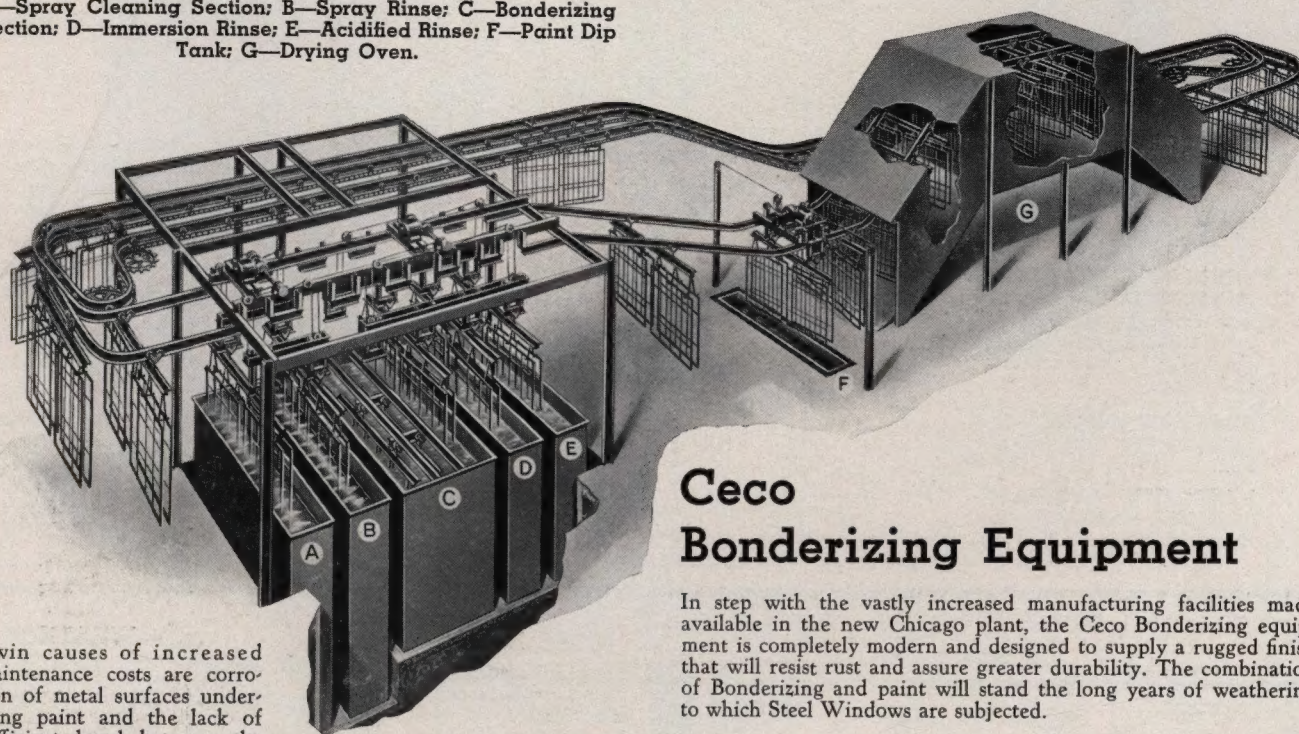
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CECO BONDERIZING For Rust-Protection—Longer Life

LEGEND

A—Spray Cleaning Section; B—Spray Rinse; C—Bonderizing Section; D—Immersion Rinse; E—Acidified Rinse; F—Paint Dip Tank; G—Drying Oven.



Ceco Bonderizing Equipment

In step with the vastly increased manufacturing facilities made available in the new Chicago plant, the Ceco Bonderizing equipment is completely modern and designed to supply a rugged finish that will resist rust and assure greater durability. The combination of Bonderizing and paint will stand the long years of weathering to which Steel Windows are subjected.

★ ★ ★

In the "Bonderizing" process, a phosphate coating is produced on the metal surface. This coating, known as "Bonderite," is a crystalline structure integral with the metal. Bonderite forms an effective barrier against moisture because it is insoluble in water. In addition, the countless interstices between the microscopic crystals permit paint to penetrate and form strong "keys." The result is a durable, weatherproof surface.

Twin causes of increased maintenance costs are corrosion of metal surfaces underlying paint and the lack of sufficient bond between the paint and the metal itself. The "Bonderizing" process now offered by Ceco gives protection against these problems of paint failure and rust on metal surfaces that are subjected to severe exposure.

CECO Bonderizes all Residence Casements and Basement and Utility Windows as standard practice at no extra cost to the builder. All other Ceco window and door products can be Bonderized at slight extra cost. For such latter requirements refer complete inquiries to nearest Branch Office or Chicago.

CECO RESIDENCE STEEL CASEMENTS

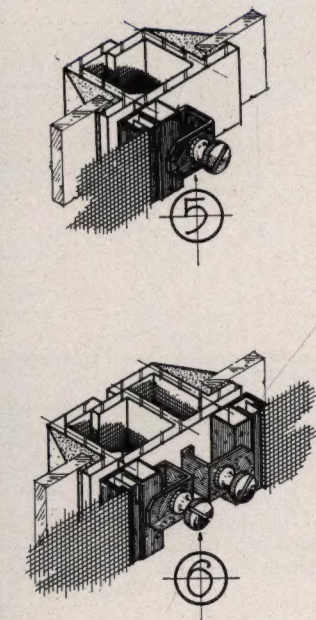
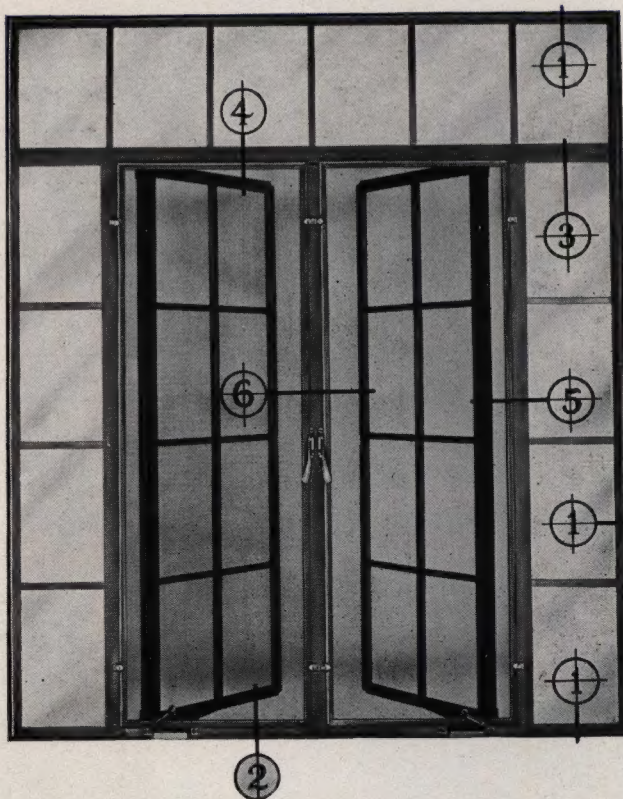
Ceco Steel Casements are so designed that they are harmoniously adaptable to any style of architecture. Time tested features assures satisfactory operation and serviceability.

Where the type of building makes it desirable, the vertical

muntings may be omitted without the sacrifice of strength or efficiency. Regardless of type, whether it be fixed screen and Roto or Lever type hardware—wicket or side hinged screen and Simplex hardware—the basic construction elements are identical for every unit.

4

1. **OUTSIDE FRAME MEMBER**—Zee section continuous from head to sill and jamb and electrically butt welded at all corners.
2. **VENTILATOR AND FRAME MEMBERS**—Zee sections with integral baffles provide continuous double contact weathering between ventilator and frame.
3. **HEAD DRIP MEMBER**—Special hot rolled head drip section.
4. **VENTILATOR AND TRANSOM BAR MEMBERS**—Sections with integral baffles provide

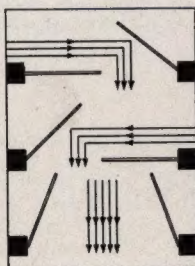


vide continuous double contact weathering between ventilators and frames. Special transom bar member assures strength and rigidity.

5. **VERTICAL SUPPORTING MEMBER FOR VENTILATOR**—Extra heavy section mortised and tenoned and welded to frame and transom bar members.
6. **VERTICAL MEETING RAIL**—Extra heavy section mortised and tenoned and welded to frame and transom bar members insuring strength and rigidity.

PERFECT VENTILATION

Ceco Steel Casement vents can be opened to any position, giving complete control of available air currents. Illustration shows three typical adjustments of vents to catch varying breezes.



MORE LIGHT

Beautiful windows that admit an abundance of healthful sunlight contribute greatly to beauty and living comfort. The design of Ceco Casements, with slender muntins and frames, assures more light and better vision.

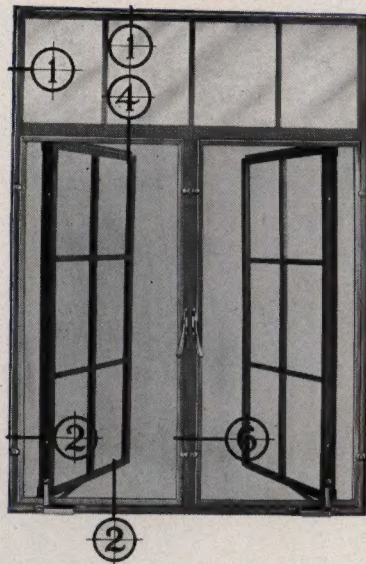


WEATHER-TIGHT

Double weathering around the entire perimeter of each Ceco Steel Casement assures a permanent, weathertight fit. Weatherstripping is thus eliminated. Metal frame storm windows can be furnished.



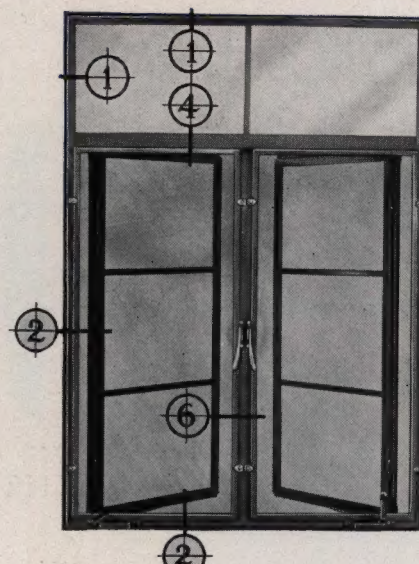
CECO RESIDENCE STEEL CASEMENTS



ROTO TYPE

FOR NUMBERED
DETAILS REFER
TO PAGE 4

NOTE: Lever Type Operator (see page 6) may be substituted for Roto Operators shown here.

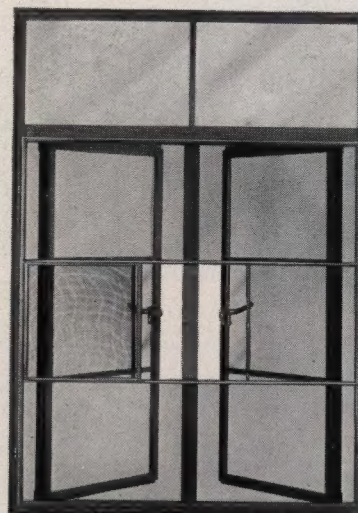


Ceco Roto Type Residence Casement with standard muntin arrangement, designed for worm and gear under-screen operator and concealed locking handle, which provides for operation of ventilators without touching the screens. Provisions are made for the use of flat-type screens.

Ceco Roto Type Residence Casement of the horizontal muntin type. (Vertical muntins omitted.) All other construction features are identical with the standard muntin arrangement type.



SIMPLEX TYPE



Ceco Simplex Residence Casement with standard muntin arrangement for use where a non-operator window is desired. Casements are furnished with locking handle and friction type hinges to hold window in any desired position. Provisions are made on this type window for side hinged or wicket type screen. Side hinged screen is illustrated above.

Ceco Simplex Residence Casement of the horizontal muntin type. All other features are identical with the standard muntin arrangement non-operator window. Casements are furnished with locking handle and friction type hinges to hold the window in any desired position. Provisions are made on this type window for side hinged or wicket type screens. Wicket type screen is illustrated above.

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All Ceco Casements are drilled, in upper corners, for standard shade and drapery hardware (2 holes .165" diameter, 1 1/4" on centers).

All Glass in ventilated units can be washed from interior side due to use of extension hinges.

All Ceco Casements are Bonderized as standard practice and given one dark gray prime coat of specially prepared paint, oven baked.



EASIER WASHING

Ceco Steel Casements, when opened, provide space between the vent and frame so that all glass is washed from the inside. No dangerous outside climbing or leaning out.



MORE WALL SPACE

Narrow frames reduce the overall area of Ceco Casements. On the average, one-third more usable wall space is provided with equal window area.



EASY OPENING AND CLOSING

No sticking or warping... Ceco Windows always open and close easily. Accurately made, carefully assembled and fitted before leaving the factory.

CECO CASEMENT HARDWARE

SIMPLEX LOCKING HANDLE

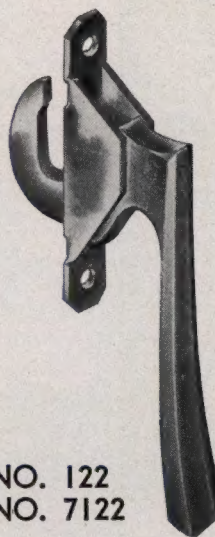
This locking handle is designed for use with Simplex (non-operator) casements. Die cast, bronze lacquer finish is standard. Also available in polished bronze, coinage finish, at a slight additional cost.



*NO. 112
NO. 6112

ROTO LOCKING HANDLE

This locking handle is designed for use on Roto Casements where worm and gear underscreen operator is used to permit the operation of the window without removing the screen. Die cast, bronze lacquer finish is standard. Also available in polished bronze coinage finish at a slight additional cost.



*NO. 122
NO. 7122

ROTO BUTTERFLY LOCKING HANDLE

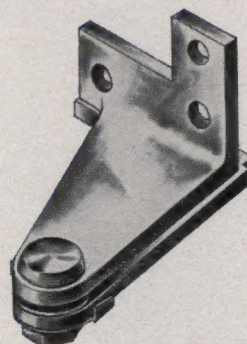
This locking handle is designed for use on Roto casements in conjunction with underscreen operators and is primarily used where Venetian Blinds are required.



*NO. 150
NO. 7150

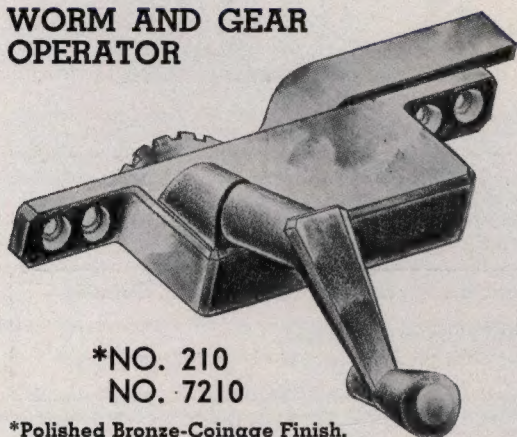
EXTENSION HINGE

All Ceco Residence Casements have extension type hinges to permit cleaning of the outside surface of all glass lights from the inside. Hinges are assembled with solid bronze bolts with bronze washers between leaves.



NO. 8000

WORM AND GEAR OPERATOR



*NO. 210
NO. 7210

*Polished Bronze-Coinage Finish.

This operator is for use with Roto type casements, where operation and positive control of the ventilator in conjunction with a flat type screen is desired. The design matches the locking handle. Bronze lacquer finish is standard. Also available in solid bronze polished coinage finish at slight additional cost. The arm is cadmium plated steel.

LEVER TYPE HARDWARE

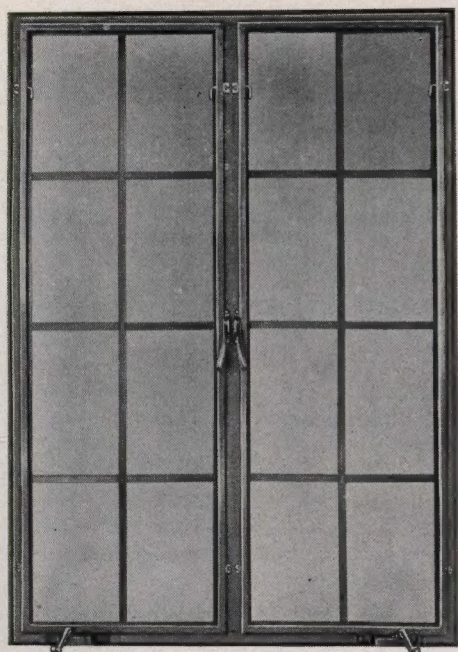


NO. 8215

A newly designed operator to meet the demand for a lower priced casement with the advantages of the Underscreen Operator. Swing leaves can be opened and held in any desired position without touching the inside fixed screen.

Available June 1, 1941.

CECO SCREENS FOR CASEMENT WINDOWS

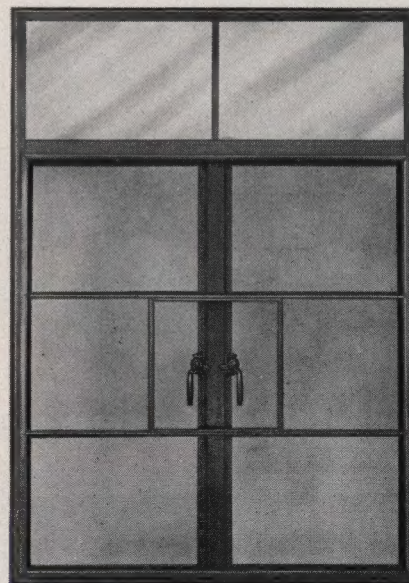


Screens for Roto Type Casements are attached to the inside of the window with four inconspicuous and conveniently located clips. A separate screen is furnished for each ventilator which may be removed or replaced very easily. This flat fixed screen does not interfere with the operation of the ventilator and the windows can be easily opened and closed by the use of the Roto Type hardware without touching the screen. There is no interference with shades or draperies.

The frame is of bonderized steel with rewirable spline. Standard screen cloth is 16 mesh bronze. 18 mesh can be furnished at a slight increase in cost. Screens are shipped with a baked on finish.

For economy and ease of operation the wicket type screen is recommended for use with Simplex Casements. A sliding wicket allows ample room to reach the window hardware for the opening and closing of the ventilator. Convenient attachments are furnished which permit easy removal of the entire screen for window cleaning and other purposes.

Frames are made of an open section steel construction with flanges sufficiently large enough to clear ventilator hardware. A rod type spline is used in both the frame and wicket sections making the entire screen rewirable.



7

A hinged type screen is also available for Simplex Casements with construction feature identical to that furnished for the wicket screen. The advantages of the hinged screen are apparent in that they permit the cleaning of the window without removal of the screen. The hinged screen is slightly more expensive than the wicket screen when used with window with two ventilators. The side hinged screen is illustrated at right.



SCREENS FOR PROJECT OUT SASH

Frame is of bonderized steel and can be furnished in either the wicket type or close up top hinged type.

The wicket type screen with sliding panel is fastened in place by four clips and remains stationary. The hinged type is hung at the top on pivot pins, and is fastened on the sides near the bottom rail with swivel clips. Frames are given a baked on finish before shipping.

Standard screen cloth is 16 mesh bronze. 18 mesh can be furnished at a slight increase in cost.

Where vents are out of reach of floor and it is necessary to operate screen with a window pole, a boxed out screen designed to clear pole ring and locking handle is recommended. Consult factory for prices on this type screen.

SCREENS FOR PROJECT IN VENTS

This type screen is constructed similar to close up top hinged screens for project out vents. Screen is designed for ease of installation and removal from inside of building.

CECO *Streamline* CASEMENTS



A NEW HARDWARE TREATMENT

CECO STEEL PRODUCTS CORPORATION provides a new simple, convenient concealed locking device used with Roto (under-screen operators) Casements, which eliminates the use of locking handles at the meeting rail.

The ventilators are locked in position by an ingenious concealed locking bar which engages with keepers.

The advantages of this arrangement are numerous. On double vented casements where vents are adjacent to each other, only one screen with uninterrupted screen cloth is required where formerly two screens were furnished. Hence, considerable saving in material cost is effected and the subsequent saving in storage, handling, etc.

In case of winter windows or storm sash, fewer panels are required because of freedom from interference of handles. Therefore, again savings on material and subsequent costs are effected.

This type of lock replaces the typical locking handles for vents which make screening and blinding inconvenient and expensive. The convenience of this hardware is obvious where stool lines are high and window installations are above normal reach, such as over sinks.

This new hardware may be substituted for the standard locking handle used with Roto or Lever type Casements at no increased cost, if specified.

In ordering this type hardware be sure to specify No. 7400 locking device.

WINDOW: Price the same as for similar Roto Standard or Lever types.

SCREENS: Builders Prices

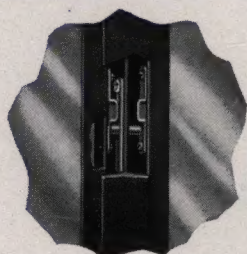
16 Mesh Cloth	
Type 42	\$2.20
Type 43	2.80
Type 44	3.30
For 18 Mesh Cloth	
Add per screen	.20

STORM SASH: Refer to Chicago for information.

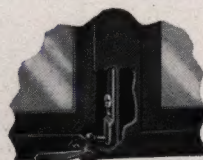
with VENETIAN BLINDS



There being no handles to interfere with the operation of Venetian blinds, the use of the blinds with steel casements is no longer a problem. Venetian blinds operate smoothly and satisfactorily with CECO Steel Casements.



A flat sliding bolt operates in the frame channel from the sill. Installation is simple and the action is positive.

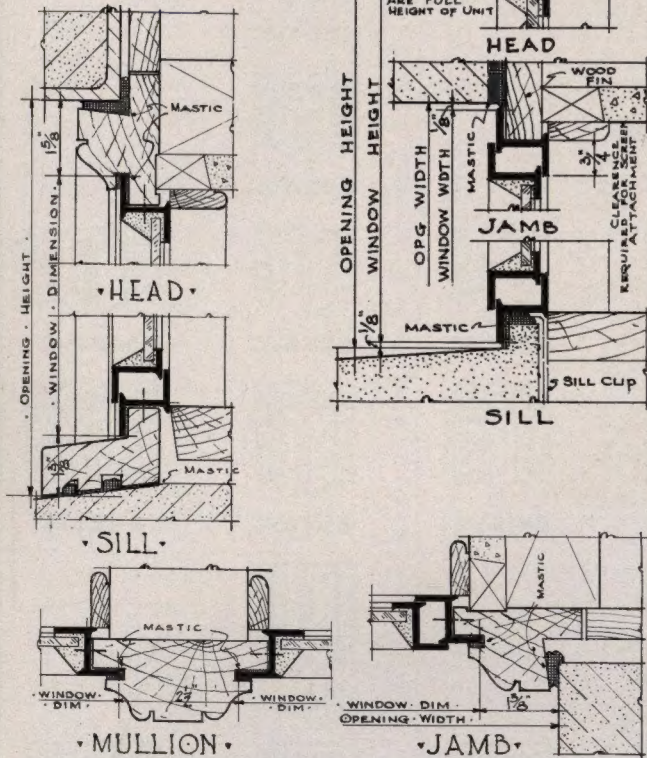


CECO RESIDENCE CASEMENTS

Suggested Construction Details

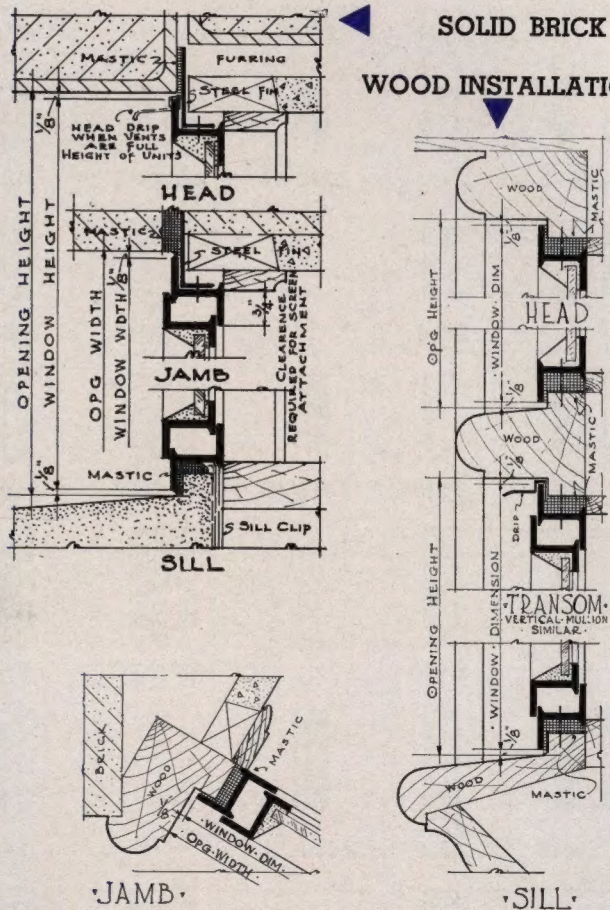
BRICK VENEER

WOOD SURROUND

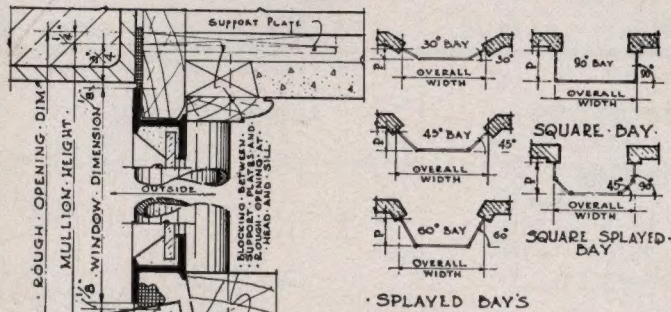


SOLID BRICK

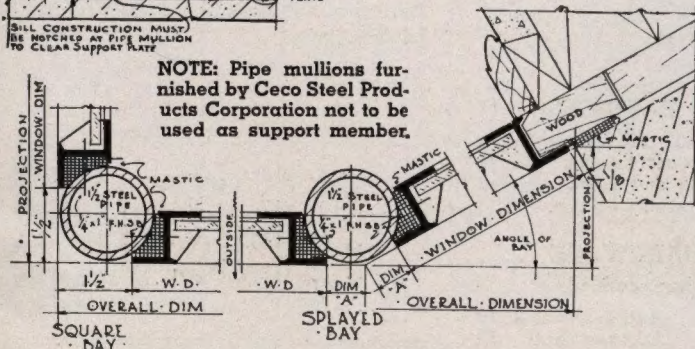
WOOD INSTALLATION



SUGGESTED CORNER MULLION DETAILS

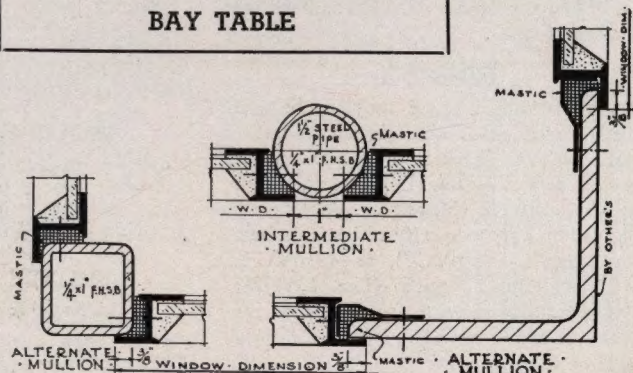


NOTE: Pipe mullions furnished by Ceco Steel Products Corporation not to be used as support member.



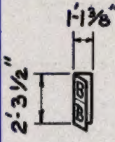
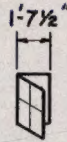



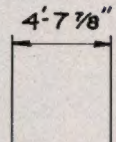
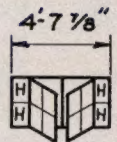
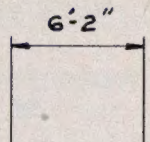
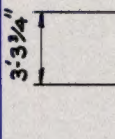

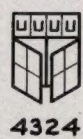

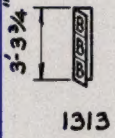

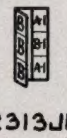





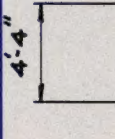





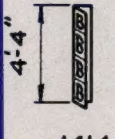

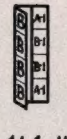


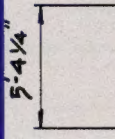





Angle of Bay	Lights in Return	OVERALL WIDTH			Projection	Dimension "A"
		LIGHTS IN FRONT SECTION				
		4	6	8		
30°	1	5' 3 $\frac{1}{8}$ "	6' 9 $\frac{1}{8}$ "	8' 3 $\frac{5}{8}$ "	6 $\frac{1}{8}$ "	3 $\frac{3}{4}$ "
	2	6' 1 $\frac{5}{8}$ "	7' 7 $\frac{3}{4}$ "	9' 1 $\frac{7}{8}$ "	10"	
45°	1	4' 11"	6' 5 $\frac{1}{8}$ "	7' 11 $\frac{1}{4}$ "	9 $\frac{7}{8}$ "	7 $\frac{1}{8}$ "
	2	5' 7 $\frac{3}{4}$ "	7' 1 $\frac{7}{8}$ "	8' 8 $\frac{1}{4}$ "	1' 2 $\frac{1}{4}$ "	
60°	1	4' 5 $\frac{5}{8}$ "	5' 11 $\frac{3}{4}$ "	7' 5 $\frac{7}{8}$ "	1' 0 $\frac{1}{4}$ "	1"
	2	4' 11 $\frac{3}{4}$ "	6' 5 $\frac{7}{8}$ "	8' 0"	1' 5 $\frac{1}{8}$ "	
90°	1	3' 4 $\frac{1}{2}$ "	4' 10 $\frac{5}{8}$ "	6' 4 $\frac{3}{4}$ "	1' 2 $\frac{5}{8}$ "	1 $\frac{1}{2}$ "
	2	3' 4 $\frac{1}{2}$ "	4' 10 $\frac{5}{8}$ "	6' 4 $\frac{3}{4}$ "	1' 8 $\frac{3}{4}$ "	
Square Splayed	1	5' 0 $\frac{1}{4}$ "	6' 6 $\frac{3}{8}$ "	8' 0 $\frac{1}{2}$ "	2' 0 $\frac{1}{2}$ "	7 $\frac{1}{8}$ "
	2	5' 9"	7' 3 $\frac{1}{8}$ "	8' 9 $\frac{1}{4}$ "	2' 11"	

BAY TABLE



STOCK TYPES—FULL MUNTIN CASEMENTS

VENTILATING TYPE

 1212	 2214	 2212JH	 4214VC	 4224	 4-7 7/8	 4-7 7/8 VC	 6-2
 2314	 4314VC	 4324	 6324VC				
 1313	 2316	 2313JH	 4316VC	 4326	 6316VC	 6326VC	 8326VC
 2416	 4416VC	 4426	 6416VC	 6426VC	 8426VC		
 1414	 2418	 2414JH	 4428		 6428VC		
 2518	 4518VC	 4528	 6518VC	 6528VC	 8528VC		

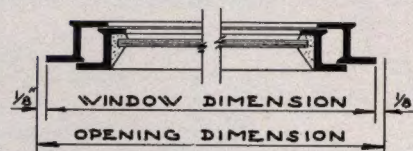
EXPLANATION OF TYPE NUMBERS

First figure (4426) designates number of glass lights wide, second figure (4426), number of glass lights high; third figure (4426), number of vents in casement; fourth figure (4426), number of glass lights in each vent. Non-opening types require use of first two figures only. For suffixes, see "Abbreviations".

HINGING

Casements with a single vent can be supplied hinged either on right or on left—that is, with the hinges on the right or left as viewed from outside. In ordering, always use the suffix R (hinged on right) or L (hinged on left) to specify which is desired. For example—4416VC-R, or 4416VC-L. In "jamb-hinged" units (like 2313JH) right-hand-hinged vents are always on the right side of the casement, left-hand-hinged vents on the left.

WINDOW DIMENSIONS



Type sizes shown are opening dimensions, clearance is 1/8" to masonry, 1 3/8" to rough opening at heads and jambs and 1 3/8" to rough opening at sill. For suggested installation details see page 9.

INCLUDED IN PRICES

Casement prices include die cast operating hardware bronze lacquer finished, glazing clips, erection fittings and mastic. Screen prices include all necessary fittings.

BRONZE HARDWARE

Available when specified.

"Roto" Type Add per vent \$1.10
"Simplex" Type Add per vent .60

ABBREVIATIONS

JH—Jamb-Hinged VC—Vent Center

GLASS SIZES

Full Muntin Types

All lights not lettered are size A. Sizes below in inches.

A 8 x12	T 8 3/8x12 3/8
B 10 x12	U 8 3/8x11 3/8
G 8 1/2x11 3/8	V 8 3/8x12
H 8 1/2x12 3/8	A-1 ... 11 1/8x12 3/8
K 8 1/2x12	B-1 ... 11 1/8x12

STOCK TYPES—BUILDERS PRICES—FULL MUNTIN CASEMENTS

WITH "ROTO"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	5.70	6.70	6.80	1.10
1313	6.30	7.60	7.70	1.30
1414	6.90	8.40	8.50	1.50
2214	6.10	7.10	7.30	1.20
2314	6.80	8.10	8.30	1.20
2316	6.90	8.20	8.40	1.50
2416	7.60	9.10	9.30	1.50
2418	7.70	9.20	9.40	1.80
2518	8.30	10.00	10.20	1.80
2212JH	6.50	7.60	7.90	1.10
2313JH	7.30	8.70	9.00	1.30
2414JH	8.10	9.70	10.00	1.50
4214VC	7.60	8.80	9.20	1.20
4314VC	8.70	10.20	10.60	1.20
4316VC	8.80	10.30	10.70	1.50
4416VC	10.00	11.70	12.10	1.50
4518VC	11.10	13.00	13.40	1.80
4224	11.00	12.20	12.60	2.40
4324	12.10	13.60	14.00	2.40
4326	12.30	13.80	14.20	3.00
4426	13.60	15.30	15.70	3.00
4428	13.80	15.50	15.90	3.60
4528	15.00	16.90	17.30	3.60
6316VC	10.50	12.20	12.80	1.50
6416VC	11.90	13.80	14.40	1.50
6518VC	13.50	15.60	16.20	1.80
6224VC	12.50	13.90	14.50	2.40
6324VC	14.30	16.00	16.60	2.40
6326VC	14.50	16.20	16.80	3.00
6426VC	16.10	18.00	18.60	3.00
6428VC	16.30	18.20	18.80	3.60
6528VC	17.90	20.00	20.60	3.60
8326VC	16.10	17.90	18.70	3.00
8426VC	18.00	20.00	20.80	3.00
8528VC	20.40	22.60	23.40	3.60

WITH "SIMPLEX"-TYPE HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	4.60	5.60	5.70	2.20
1313	5.20	6.50	6.60	2.40
1414	5.80	7.30	7.40	2.60
2214	5.00	6.00	6.20	2.20
2314	5.70	7.00	7.20	2.20
2316	5.80	7.10	7.30	2.60
2416	6.50	8.00	8.20	2.60
2418	6.60	8.10	8.30	2.80
2518	7.20	8.90	9.10	2.80
2212JH	5.40	6.50	6.80	2.20
2213JH	6.20	7.60	7.90	2.40
2414JH	7.00	8.60	8.90	2.60
4214VC	6.50	7.70	8.10	2.20
4314VC	7.60	9.10	9.50	2.20
4316VC	7.70	9.20	9.60	2.60
4416VC	8.90	10.60	11.00	2.60
4518VC	10.00	11.90	12.30	2.80
4224	8.80	10.00	10.40	3.50
4324	9.90	11.40	11.80	3.50
4326	10.10	11.60	12.00	3.80
4426	11.40	13.10	13.50	3.80
4428	11.60	13.30	13.70	4.50
4528	12.80	14.70	15.10	4.50
6316VC	9.40	11.10	11.70	2.60
6416VC	10.80	12.70	13.30	2.60
6518VC	12.40	14.50	15.10	2.80
6224VC	10.30	11.70	12.30	3.50
6324VC	12.10	13.80	14.40	3.50
6326VC	12.30	14.00	14.60	3.80
6426VC	13.90	15.80	16.40	3.80
6428VC	14.10	16.00	16.60	4.50
6528VC	15.70	17.80	18.40	4.50
8326VC	13.90	15.70	16.50	3.80
8426VC	15.80	17.80	18.60	3.80
8528VC	18.20	20.40	21.20	4.50

WITH "LEVER"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	5.00	6.00	6.10	1.10
1313	5.60	6.90	7.00	1.30
1414	6.20	7.70	7.80	1.50
2214	5.40	6.40	6.60	1.20
2314	6.10	7.40	7.60	1.20
2316	6.20	7.50	7.70	1.50
2416	6.90	8.40	8.60	1.50
2418	7.00	8.50	8.70	1.80
2518	7.60	9.30	9.50	1.80
2212JH	5.80	6.90	7.20	1.10
2313JH	6.60	8.00	8.30	1.30
2414JH	7.40	9.00	9.30	1.50
4214VC	6.90	8.10	8.50	1.20
4314VC	8.00	9.50	9.90	1.20
4316VC	8.10	9.60	10.00	1.50
4416VC	9.30	11.00	11.40	1.50
4518VC	10.40	12.30	12.70	1.80
4224	9.60	10.80	11.20	2.40
4324	10.70	12.20	12.60	2.40
4326	10.90	12.40	12.80	3.00
4426	12.20	13.90	14.30	3.00
4428	12.40	14.10	14.50	3.60
4528	13.60	15.50	15.90	3.60
6316VC	9.80	11.50	12.10	1.50
6416VC	11.20	13.10	13.70	1.50
6518VC	12.80	14.90	15.50	1.80
6224VC	11.10	12.50	13.10	2.40
6324VC	12.90	14.60	15.20	2.40
6326VC	13.10	14.80	15.40	3.00
6426VC	14.70	16.60	17.20	3.00
6428VC	14.90	16.80	17.40	3.60
6528VC	16.50	18.60	19.20	3.60
8326VC	14.70	16.50	17.30	3.00
8426VC	16.60	18.60	19.40	3.00
8528VC	19.00	21.20	22.00	3.60

NOTES

(1) Fin prices include head and jamb fins, attached. For pictures, description and prices of separate pieces, see page 19. Unless otherwise specified on the order, fins will be attached turned out.

(2) Surrounds are always shipped unattached. For separate piece prices, see page 19.

(3) Wicket type screens are furnished at above prices for Simplex type casements.

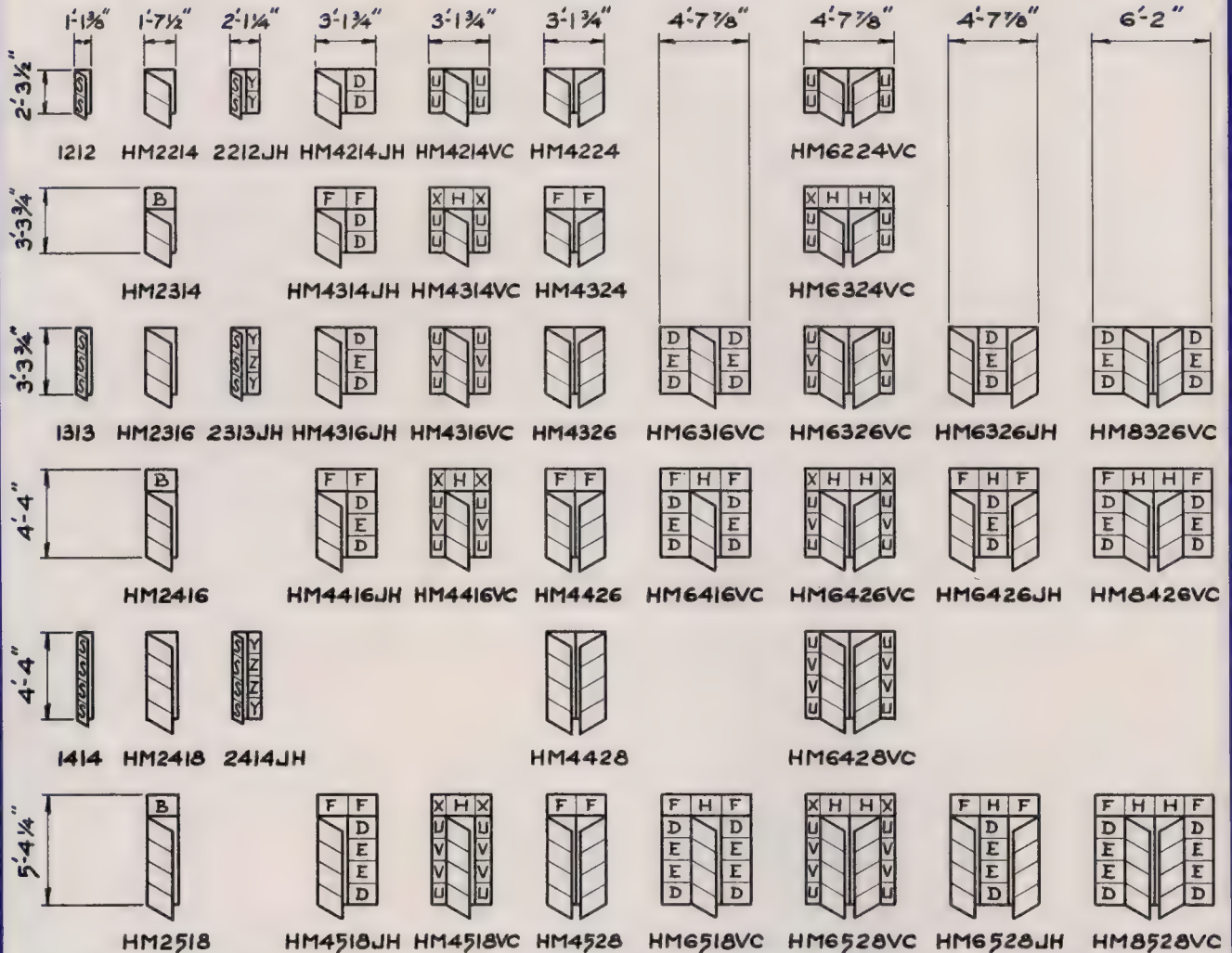
Flat fixed screens for Roto and Lever type casements.

Prices shown are for 16 mesh Screen Cloth. For 18 mesh, add per screen \$0.20

For Types and Builders Prices Stationary Casements, see page 18. Lever Type Hardware will not be available until June 1, 1941.

STOCK TYPES—HORIZONTAL MUNTIN CASEMENTS

VENTILATING TYPE



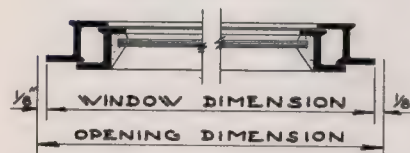
EXPLANATION OF TYPE NUMBERS

First figure (4426) designates number of glass lights wide (always counted as though vertical muntins were in place); second figure, (4426), number of glass lights high; third figure (4426), number of vents in casement; fourth figure (4426), number of glass lights in each vent. For suffixes, see "Abbreviations".

HINGING

Casements with a single vent can be supplied hinged either on right or on left—that is, with the hinges on the right or left as viewed from outside. In ordering, always use the suffix R (hinged on right) or L (hinged on left) to specify which is desired. For example—HM4416VC-R, or HM4416VC-L. In "jamb-hinged" units (like 2313JH) right-hand-hinged vents are always on the right side of the casement, left-hand-hinged vents on the left.

WINDOW DIMENSIONS



Type sizes shown are opening dimensions, clearance is 1/8" to masonry, 1 3/8" to rough opening at heads and jambs and 1 3/8" to rough opening at sill. For suggested installation details see page 9.

INCLUDED IN PRICES

Casement prices include die cast operating hardware bronze lacquer finished, glazing clips, erection fittings and mastic. Screen prices include all necessary fittings.

BRONZE HARDWARE

Available when specified.

"Roto" Type Add per vent \$1.10
"Simplex" Type Add per vent .60

ABBREVIATIONS

HM—Horizontal Muntin JH—Jamb-Hinged VC—Vent Center

GLASS SIZES

Horizontal Muntin Types

All lights not lettered are size A. Sizes below in inches.

A .....16 x12	S .....10 x12
B .....17 1/2 x11 5/8	U 8 1/2 x12 3/8
D .....17 3/8 x12 5/8	V 8 1/2 x12
E .....17 3/8 x12	X 8 5/8 x11 5/8
F .....17 5/8 x11 5/8	Y .....11 1/8 x12 5/8
H .....17 3/4 x11 5/8	Z .....11 1/8 x12

STOCK TYPES—BUILDERS PRICES—HORIZONTAL MUNTIN CASEMENTS

WITH "ROTO"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	5.70	6.70	6.80	1.10
1313	6.30	7.60	7.70	1.30
1414	6.90	8.40	8.50	1.50
HM2214	5.90	6.90	7.10	1.20
HM2314	6.50	7.80	8.00	1.20
HM2316	6.60	7.90	8.10	1.50
HM2416	7.20	8.70	8.90	1.50
HM2418	7.30	8.80	9.00	1.80
HM2518	7.90	9.60	9.80	1.80
2212JH	6.50	7.60	7.90	1.10
2313JH	7.30	8.70	9.00	1.30
2414JH	8.10	9.70	10.00	1.50
HM4214JH	7.00	8.20	8.60	1.20
HM4314JH	7.90	9.40	9.80	1.20
HM4316JH	8.00	9.50	9.90	1.50
HM4416JH	8.80	10.50	10.90	1.50
HM4518JH	9.80	11.70	12.10	1.80
HM4214VC	7.40	8.60	9.00	1.20
HM4314VC	8.50	10.00	10.40	1.20
HM4316VC	8.60	10.10	10.50	1.50
HM4416VC	9.60	11.30	11.70	1.50
HM4518VC	10.80	12.70	13.10	1.80
HM4224	10.70	11.90	12.30	2.40
HM4324	11.60	13.10	13.50	2.40
HM4326	11.80	13.30	13.70	3.00
HM4426	12.90	14.60	15.00	3.00
HM4428	13.10	14.80	15.20	3.60
HM4528	14.10	16.00	16.40	3.60
HM6316VC	9.30	11.00	11.60	1.50
HM6416VC	10.50	12.40	13.00	1.50
HM6518VC	11.80	13.90	14.50	1.80
HM6224VC	12.10	13.50	14.10	2.40
HM6324VC	13.60	15.30	15.90	2.40
HM6326VC	13.80	15.50	16.10	3.00
HM6426VC	15.30	17.20	17.80	3.00
HM6428VC	15.50	17.40	18.00	3.60
HM6528VC	17.10	19.20	19.80	3.60
HM6326JH	13.20	14.90	15.50	3.00
HM6426JH	14.50	16.40	17.00	3.00
HM6528JH	16.10	18.20	18.80	3.60
HM8326VC	14.60	16.40	17.20	3.00
HM8426VC	16.20	18.20	19.00	3.00
HM8528VC	18.20	20.40	21.20	3.60

WITH "SIMPLEX"-TYPE HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	4.60	5.60	5.70	2.20
1313	5.20	6.50	6.60	2.40
1414	5.80	7.30	7.40	2.60
HM2214	4.80	5.80	6.00	2.20
HM2314	5.40	6.70	6.90	2.20
HM2316	5.50	6.80	7.00	2.60
HM2416	6.10	7.60	7.80	2.60
HM2418	6.20	7.70	7.90	2.80
HM2518	6.80	8.50	8.70	2.80
2212JH	5.40	6.50	6.80	2.20
2213JH	6.20	7.60	7.90	2.40
2414JH	7.00	8.60	8.90	2.60
HM4214JH	5.90	7.10	7.50	2.20
HM4314JH	6.80	8.30	8.70	2.20
HM4316JH	6.90	8.40	8.80	2.60
HM4416JH	7.70	9.40	9.80	2.60
HM4518JH	8.70	10.60	11.00	2.80
HM4214VC	6.30	7.50	7.90	2.20
HM4314VC	7.40	8.90	9.30	2.20
HM4316VC	7.50	9.00	9.40	2.60
HM4416VC	8.50	10.20	10.60	2.60
HM4518VC	9.70	11.60	12.00	2.80
HM4224	8.50	9.70	10.10	3.50
HM4324	9.40	10.90	11.30	3.50
HM4326	9.60	11.10	11.50	3.80
HM4426	10.70	12.40	12.80	3.80
HM4428	10.90	12.60	13.00	4.50
HM4528	11.90	13.80	14.20	4.50
HM6316VC	8.20	9.90	10.50	2.60
HM6416VC	9.40	11.30	11.90	2.60
HM6518VC	10.70	12.80	13.40	2.80
HM6224VC	9.90	11.30	11.90	3.50
HM6324VC	11.40	13.10	13.70	3.50
HM6326VC	11.60	13.30	13.90	3.80
HM6426VC	13.10	15.00	15.60	3.80
HM6428VC	13.30	15.20	15.80	4.50
HM6528VC	14.90	17.00	17.60	4.50
HM6326JH	11.00	12.70	13.30	5.20
HM6426JH	12.30	14.20	14.80	5.20
HM6528JH	13.90	16.00	16.60	5.60
HM8326VC	12.40	14.20	15.00	3.80
HM8426VC	14.00	16.00	16.80	3.80
HM8528VC	16.00	18.20	19.00	4.50

WITH "LEVER"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1212	5.00	6.00	6.10	1.10
1313	5.60	6.90	7.00	1.30
1414	6.20	7.70	7.80	1.50
HM2214	5.20	6.20	6.40	1.20
HM2314	5.80	7.10	7.30	1.20
HM2316	5.90	7.20	7.40	1.50
HM2416	6.50	8.00	8.20	1.50
HM2418	6.60	8.10	8.30	1.80
HM2518	7.20	8.90	9.10	1.80
2212JH	5.80	6.90	7.20	1.10
2313JH	6.60	8.00	8.30	1.30
2414JH	7.40	9.00	9.30	1.50
HM4214JH	6.30	7.50	7.90	1.20
HM4314JH	7.20	8.70	9.10	1.20
HM4316JH	7.30	8.80	9.20	1.50
HM4416JH	8.10	9.80	10.20	1.50
HM4518JH	9.10	11.00	11.40	1.80
HM4214VC	6.70	7.90	8.30	1.20
HM4314VC	7.80	9.30	9.70	1.20
HM4316VC	7.90	9.40	9.80	1.50
HM4416VC	8.90	10.60	11.00	1.50
HM4518VC	10.10	12.00	12.40	1.80
HM4224	9.30	10.50	10.90	2.40
HM4324	10.20	11.70	12.10	2.40
HM4326	10.40	11.90	12.30	3.00
HM4426	11.50	13.20	13.60	3.00
HM4428	11.70	13.40	13.80	3.60
HM4528	12.70	14.60	15.00	3.60
HM6316VC	8.60	10.30	10.90	1.50
HM6416VC	9.80	11.70	12.30	1.50
HM6518VC	11.10	13.20	13.80	1.80
HM6224VC	10.70	12.10	12.70	2.40
HM6324VC	12.20	13.90	14.50	2.40
HM6326VC	12.40	14.10	14.70	3.00
HM6426VC	13.90	15.80	16.40	3.00
HM6428VC	14.10	16.00	16.60	3.60
HM6528VC	15.70	17.80	18.40	3.60
HM6326JH	11.80	13.50	14.10	3.00
HM6426JH	13.10	15.00	15.60	3.00
HM6528JH	14.70	16.80	17.40	3.60
HM8326VC	13.20	15.00	15.80	3.00
HM8426VC	14.80	16.80	17.60	3.00
HM8528VC	16.80	19.00	19.80	3.60

NOTES

(1) Fin prices include head and jamb fins, attached. For pictures, description and prices of separate pieces, see page 19. Unless otherwise specified on the order, fins will be attached turned out.

(2) Surrounds are always shipped unattached. For separate piece prices, see page 19.

(3) Wicket type screens are furnished at above prices for Simplex type casements.

Flat fixed screens for Roto and Lever type casements.

Prices shown are for 16 Mesh Screen Cloth. For 18 mesh, add per screen \$0.20

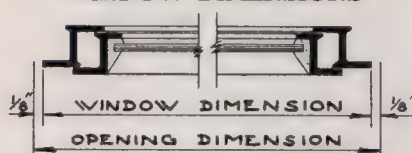
For Types and Builders Prices Stationary Casements, see page 18. Lever Type Hardware will not be available until June 1, 1941.

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<p>1312</p>	<p>21S2</p>	<p>4214JH</p>	<p>41S4</p>	<p>6214VC</p>	<p>61S4</p>	<p>8224VC</p>
<p>1413</p>	<p>4314JH</p>	<p>4316JH</p>	<p>6314VC</p>	<p>6326JH</p>	<p>6324JH</p>	<p>8324VC</p>
<p>1514</p>	<p>4418JH</p>	<p>4418VC</p>	<p>4416JH</p>	<p>6418VC</p>	<p>6426JH</p>	<p>6428JH</p>
<p>1614</p>	<p>2618</p>	<p>4618JH</p>	<p>4618VC</p>	<p>4628</p>	<p>6618VC</p>	<p>6628VC</p>
<p>2618</p>	<p>4618JH</p>	<p>4618VC</p>	<p>4628</p>	<p>6618VC</p>	<p>6628VC</p>	<p>6628JH</p>
<p>1614</p>	<p>2618</p>	<p>4618JH</p>	<p>4618VC</p>	<p>4628</p>	<p>6618VC</p>	<p>6628VC</p>

HINGING

WINDOW DIMENSIONS



INCLUDED IN PRICES

BRONZE HARDWARE

ABBREVIATIONS

GLASS SIZES

All lights not lettered are size A. Lights in circular window to template. Sizes below in inches.

A 8 x12	T 8 $\frac{3}{8}$ x12 $\frac{5}{8}$
B .....10 x12	U 8 $\frac{5}{8}$ x11 $\frac{5}{8}$
C .....11 $\frac{3}{8}$ x11 $\frac{5}{8}$	V 8 $\frac{5}{8}$ x12
G 8 $\frac{1}{2}$ x11 $\frac{5}{8}$	W 8 $\frac{5}{8}$ x10 $\frac{1}{2}$
H 8 $\frac{1}{2}$ x12 $\frac{5}{8}$	X 7 $\frac{3}{8}$ x 9 $\frac{3}{8}$
K 8 $\frac{1}{2}$ x12	Y 8 $\frac{1}{8}$ x 9 $\frac{3}{8}$
L 8 $\frac{1}{2}$ x10 $\frac{1}{2}$	Z 8 $\frac{3}{4}$ x 9 $\frac{3}{8}$

FACTORY SHIPMENT—BUILDERS PRICES—FULL MUNTIN CASEMENTS

Types on this page require factory assembly and shipment—For Warehouse Stock Types see pages 11, 13 and 18

WITH "ROTO"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	6.20	7.50	7.60	1.10
1413	6.80	8.30	8.40	1.30
1514	7.30	9.00	9.10	1.50
1614	7.70	9.60	9.70	1.50
2618	8.90	10.80	11.00	1.80
4214JH	7.40	8.60	9.00	1.20
4314JH	8.70	10.20	10.60	1.20
4316JH	8.80	10.30	10.70	1.50
4416JH	9.80	11.50	11.90	1.50
4418JH	9.90	11.60	12.00	1.80
4518JH	11.00	12.90	13.30	1.80
4618JH	12.00	14.10	14.50	1.80
4418VC	10.10	11.80	12.20	1.80
4618VC	12.00	14.10	14.50	1.80
4628	16.10	18.20	18.60	3.60
6214VC	8.70	10.10	10.70	1.20
6314VC	10.40	12.10	12.70	1.20
6418VC	12.00	13.90	14.50	1.80
6618VC	15.00	17.30	17.90	1.80
6628VC	19.60	21.90	22.50	3.60
6224JH	12.30	13.70	14.30	2.40
6324JH	14.10	15.80	16.40	2.40
6326JH	14.30	16.00	16.60	3.00
6426JH	15.90	17.80	18.40	3.00
6428JH	16.10	18.00	18.60	3.60
6528JH	17.60	19.70	20.30	3.60
6628JH	18.60	20.90	21.50	3.60
8224VC	13.60	15.10	15.90	2.40
8324VC	15.90	17.70	18.50	2.40
8428VC	18.20	20.20	21.00	3.60
8628VC	22.20	24.60	25.40	3.60
C33111	18.60	22.40	23.90	1.00
21-S-2	7.10	See Note (4) Below		1.80
41-S-4	8.10	See Note (4) Below		2.50
61-S-4	8.60	See Note (4) Below		2.50
81-S-4	9.50	See Note (4) Below		2.50

WITH "SIMPLEX"-TYPE HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	5.10	6.40	6.50	2.20
1413	5.70	7.20	7.30	2.40
1514	6.20	7.90	8.00	2.60
1614	6.60	8.50	8.60	2.60
2618	7.80	9.70	9.90	2.80
4214JH	6.30	7.50	7.90	2.20
4314JH	7.60	9.10	9.50	2.20
4316JH	7.70	9.20	9.60	2.60
4416JH	8.70	10.40	10.80	2.60
4418JH	8.80	10.50	10.90	2.80
4518JH	9.90	11.80	12.20	2.80
4618JH	10.90	13.00	13.40	2.80
4418VC	9.00	10.70	11.10	2.80
4618VC	10.90	13.00	13.40	2.80
4628	13.90	16.00	16.40	4.50
6214VC	7.60	9.00	9.60	2.20
6314VC	9.30	11.00	11.60	2.20
6418VC	10.90	12.80	13.40	2.80
6618VC	13.90	16.20	16.80	2.80
6628VC	17.40	19.70	20.30	4.50
6224JH	10.10	11.50	12.10	4.40
6324JH	11.90	13.60	14.20	4.40
6326JH	12.10	13.80	14.40	5.20
6426JH	13.70	15.60	16.20	5.20
6428JH	13.90	15.80	16.40	5.60
6528JH	15.40	17.50	18.10	5.60
6628JH	16.40	18.70	19.30	5.60
8224VC	11.40	12.90	13.70	3.50
8324VC	13.70	15.50	16.30	3.50
8428VC	16.00	18.00	18.80	4.50
8628VC	20.00	22.40	23.20	4.50
C33111	17.50	21.30	22.80	
21-S-2	7.10	See Note (4) Below		1.80
41-S-4	8.10	See Note (4) Below		2.50
61-S-4	8.60	See Note (4) Below		2.50
81-S-4	9.50	See Note (4) Below		2.50

WITH "LEVER"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	5.50	6.80	6.90	1.10
1413	6.10	7.60	7.70	1.30
1514	6.60	8.30	8.40	1.50
1614	7.00	8.90	9.00	1.50
2618	8.20	10.10	10.30	1.80
4214JH	6.70	7.90	8.30	1.20
4314JH	8.00	9.50	9.90	1.20
4316JH	8.10	9.60	10.00	1.50
4416JH	9.10	10.80	11.20	1.50
4418JH	9.20	10.90	11.30	1.80
4518JH	10.30	12.20	12.60	1.80
4618JH	11.30	13.40	13.80	1.80
4418VC	9.40	11.10	11.50	1.80
4618VC	11.30	13.40	13.80	1.80
4628	14.70	16.80	17.20	3.60
6214VC	8.00	9.40	10.00	1.20
6314VC	9.70	11.40	12.00	1.20
6418VC	11.30	13.20	13.80	1.80
6618VC	14.30	16.60	17.20	1.80
6628VC	18.20	20.50	21.10	3.60
6224JH	10.90	12.30	12.90	2.40
6324JH	12.70	14.40	15.00	2.40
6326JH	12.90	14.60	15.20	3.00
6426JH	14.50	16.40	17.00	3.00
6428JH	14.70	16.60	17.20	3.60
6528JH	16.20	18.30	18.90	3.60
6628JH	17.20	19.50	20.10	3.60
8224VC	12.20	13.70	14.50	2.40
8324VC	14.50	16.30	17.10	2.40
8428VC	16.80	18.80	19.60	3.60
8628VC	20.80	23.20	24.00	3.60
C33111	17.90	21.70	23.20	1.00
21-S-2	7.10	See Note (4) Below		1.80
41-S-4	8.10	See Note (4) Below		2.50
61-S-4	8.60	See Note (4) Below		2.50
81-S-4	9.50	See Note (4) Below		2.50

NOTES

(1) Fin prices include head and jamb fins, attached. For pictures, description and prices of separate pieces, see page 19. Unless otherwise specified on the order, fins will be attached turned out.

(2) Surrounds are always shipped unattached. For separate piece prices, see page 19.

(3) Wicket type screens are furnished at above prices for Simplex type casements. Flat fixed screens for Roto and Lever type casements.

(4) These "Sill" units attach at bottom of casements of same width. If used with casements 4 lights high or less, fins and surround are available for combined units.

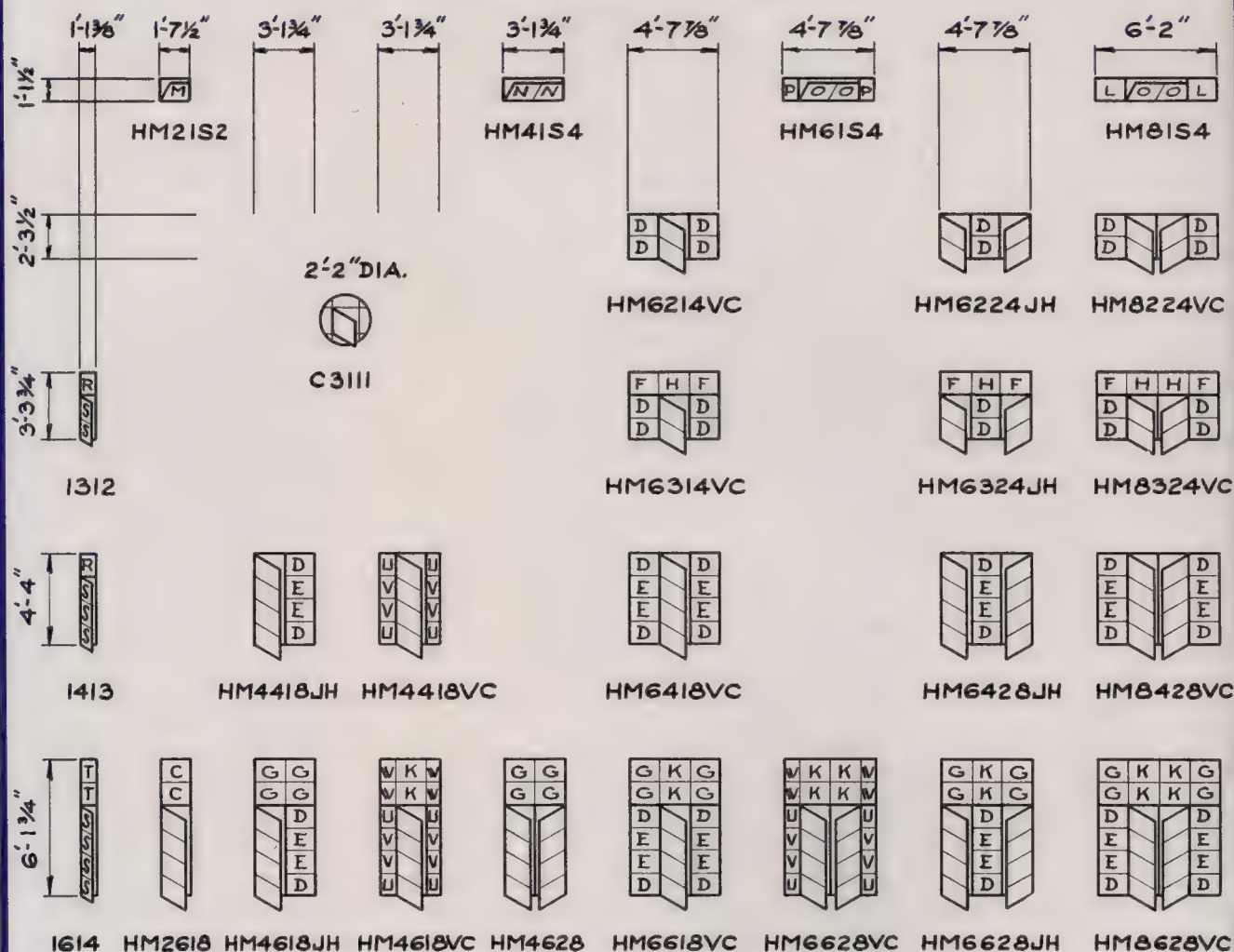
Specify, for casement, fins or surrounds with jamb pieces one light higher than casement ADD \$0.40

Prices shown are for 16 mesh Screen Cloth. For 18 mesh, add per screen \$0.20

For Types and Builders Prices Stationary Casements, see page 18. Lever Type Hardware will not be available until June 1, 1941.

FACTORY SHIPMENT—HORIZONTAL MUNTIN CASEMENTS

VENTILATING TYPE

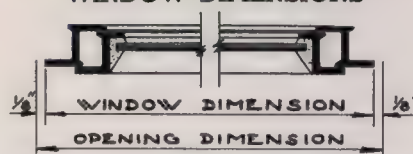


Casements shown on this page are Horizontal Muntin types requiring factory assembly and shipment. Stock types are shown on pages 12 and 18. Full Muntin types are shown on pages 10, 14 and 18.

HINGING

Casements with a single vent can be supplied hinged either on right or on left—that is, with the hinges on the right or left as viewed from outside. In ordering, always use the suffix R (hinged on right) or L (hinged on left) to specify which is desired. For example—HM44I8VC-R, or HM44I8VC-L. In “jamb-hinged” units (like HM44I8JH) right-hand-hinged vents are always on the right side of the casement, left-hand-hinged vents on the left.

WINDOW DIMENSIONS



Type sizes shown are opening dimensions, clearance is $\frac{1}{8}$ " to masonry, $1\frac{3}{8}$ " to rough opening at heads and jambs and $1\frac{3}{8}$ " to rough opening at sill. For suggested installation details see page 9.

INCLUDED IN PRICES

Casement prices include die cast operating hardware bronze lacquer finished, glazing clips and mastic. Screen prices include all necessary fittings.

BRONZE HARDWARE

Available when specified.

For “Roto” Type add per vent. \$1.10
For “Simplex” Type add per vent. .60
For “Sill” Units per window. .30

ABBREVIATIONS

HM—Horizontal Muntin
C—Circle S—Sill Vent
JH—Jamb-Hinged VC—Vent Center

GLASS SIZES

Horizontal Muntin Types

All lights not lettered are size A. Lights in circular windows to template. Sizes below in inches.

A 16 x 12	N 16 $\frac{1}{2}$ x 9 $\frac{3}{8}$
C 17 $\frac{1}{2}$ x 10 $\frac{1}{2}$	O 17 $\frac{1}{4}$ x 9 $\frac{3}{8}$
D 17 $\frac{3}{8}$ x 12 $\frac{3}{8}$	P 8 $\frac{1}{2}$ x 11 $\frac{3}{8}$
E 17 $\frac{3}{8}$ x 12	R 11 $\frac{3}{8}$ x 11 $\frac{3}{8}$
F 17 $\frac{3}{8}$ x 11 $\frac{3}{8}$	S 10 x 12
G 17 $\frac{5}{8}$ x 10 $\frac{1}{2}$	T 11 $\frac{3}{8}$ x 10 $\frac{1}{2}$
H 17 $\frac{3}{4}$ x 11 $\frac{3}{8}$	U 8 $\frac{1}{2}$ x 12 $\frac{3}{8}$
K 17 $\frac{3}{4}$ x 10 $\frac{1}{2}$	V 8 $\frac{1}{2}$ x 12
L 17 $\frac{3}{8}$ x 11 $\frac{3}{8}$	W 8 $\frac{5}{8}$ x 10 $\frac{1}{2}$
M 15 $\frac{1}{8}$ x 9 $\frac{3}{8}$	

FACTORY SHIPMENT—BUILDERS PRICES—HORIZONTAL MUNTIN

Types on this page require factory assembly and shipment—For Warehouse Stock Types see pages 11, 13 and 18

WITH "ROTO"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	6.20	7.50	7.60	1.10
1413	6.80	8.30	8.40	1.30
1514	7.30	9.00	9.10	1.50
1614	7.70	9.60	9.70	1.50
HM2618	8.20	10.10	10.30	1.80
HM4418JH	8.90	10.60	11.00	1.80
HM4618JH	10.60	12.70	13.10	1.80
HM4418VC	9.70	11.40	11.80	1.80
HM4618VC	11.80	13.90	14.30	1.80
HM4628	15.10	17.20	17.60	3.60
HM6214VC	7.90	9.30	9.90	1.20
HM6314VC	9.20	10.90	11.50	1.20
HM6418VC	10.40	12.30	12.90	1.80
HM6618VC	13.10	15.40	16.00	1.80
HM6628VC	18.70	21.00	21.60	3.60
HM6224JH	11.60	13.00	13.60	2.40
HM6324JH	13.00	14.70	15.30	2.40
HM6428JH	14.70	16.60	17.20	3.60
HM6628JH	17.50	19.80	20.40	3.60
HM8224VC	12.60	14.10	14.90	2.40
HM8324VC	14.40	16.20	17.00	2.40
HM8428VC	16.40	18.40	19.20	3.60
HM8628VC	19.90	22.30	23.10	3.60
C33111	18.60	22.40	23.90	1.00
HM21-S-2	7.00	See Note (4) Below		1.80
HM41-S-4	8.00	See Note (4) Below		2.50
HM61-S-4	8.50	See Note (4) Below		2.50
HM81-S-4	9.20	See Note (4) Below		2.50

WITH "SIMPLEX"-TYPE HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	5.10	6.40	6.50	2.20
1413	5.70	7.20	7.30	2.40
1514	6.20	7.90	8.00	2.60
1614	6.60	8.50	8.60	2.60
HM2618	7.10	9.00	9.20	2.80
HM4418JH	7.80	9.50	9.90	2.80
HM4618JH	9.50	11.60	12.00	2.80
HM4418VC	8.60	10.30	10.70	2.80
HM4618VC	10.70	12.80	13.20	2.80
HM4628	12.90	15.00	15.40	4.50
HM6214VC	6.80	8.20	8.80	2.20
HM6314VC	8.10	9.80	10.40	2.20
HM6418VC	9.30	11.20	11.80	2.80
HM6618VC	12.00	14.30	14.90	2.80
HM6628VC	16.50	18.80	19.40	4.50
HM6224JH	9.40	10.80	11.40	4.40
HM6324JH	10.80	12.50	13.10	4.40
HM6428JH	12.50	14.40	15.00	5.60
HM6628JH	15.30	17.60	18.20	5.60
HM8224VC	10.40	11.90	12.70	3.50
HM8324VC	12.20	14.00	14.80	3.50
HM8428VC	14.20	16.20	17.00	4.50
HM8628VC	17.70	20.10	20.90	4.50
C33111	17.50	21.30	22.80	
HM21-S-2	7.00	See Note (4) Below		1.80
HM41-S-4	8.00	See Note (4) Below		2.50
HM61-S-4	8.50	See Note (4) Below		2.50
HM81-S-4	9.20	See Note (4) Below		2.50

WITH "LEVER"-TYPE Standard or Streamline HARDWARE

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)	Add for Screens (3)
1312	5.50	6.80	6.90	1.10
1413	6.10	7.60	7.70	1.30
1514	6.60	8.30	8.40	1.50
1614	7.00	8.90	9.00	1.50
HM2618	7.50	9.40	9.60	1.80
HM4418JH	8.20	9.90	10.30	1.80
HM4618JH	9.90	12.00	12.40	1.80
HM4418VC	9.00	10.70	11.10	1.80
HM4618VC	11.10	13.20	13.60	1.80
HM4628	13.70	15.80	16.20	3.60
HM6214VC	7.20	8.60	9.20	1.20
HM6314VC	8.50	10.20	10.80	1.20
HM6418VC	9.70	11.60	12.20	1.80
HM6618VC	12.40	14.70	15.30	1.80
HM6628VC	17.30	19.60	20.20	3.60
HM6224JH	10.20	11.60	12.20	2.40
HM6324JH	11.60	13.30	13.90	2.40
HM6428JH	13.30	15.20	15.80	3.60
HM6628JH	16.10	18.40	19.00	3.60
HM8224VC	11.20	12.70	13.50	2.40
HM8324VC	13.00	14.80	15.60	2.40
HM8428VC	15.00	17.00	17.80	3.60
HM8628VC	18.50	20.90	21.70	3.60
C33111	17.90	21.70	23.20	1.00
HM21-S-2	7.00	See Note (4) Below		1.80
HM41-S-4	8.00	See Note (4) Below		2.50
HM61-S-4	8.50	See Note (4) Below		2.50
HM81-S-4	9.20	See Note (4) Below		2.50

NOTES

(1) Fin prices include head and jamb fins, attached. For pictures, description and prices of separate pieces, see page 19. Unless otherwise specified on the order, fins will be attached turned out.

(2) Surrounds are always shipped unattached. For separate piece prices, see page 19.

(3) Wicket type screens are furnished at above prices for Simplex type casements.

Flat fixed screens for Roto and Lever type casements.

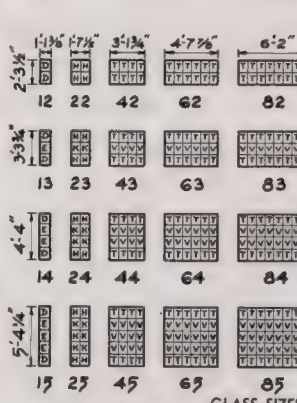
(4) These "Sill" units attach at bottom of casements of same width. If used with casements 4 lights high or less, fins and surround are available for combined units. Specify, for casement, fins or surrounds with jamb pieces one light higher than casementADD \$0.40

Prices shown are for 16 mesh Screen Cloth. For 18 mesh, add per screen \$0.20

For Types and Builders Prices Stationary Casements, see page 18. Lever Type Hardware will not be available until June 1, 1941.

STATIONARY CASEMENTS FULL MUNTIN

Stock Types and Builders Prices



GLASS SIZES
Sizes below are in inches.

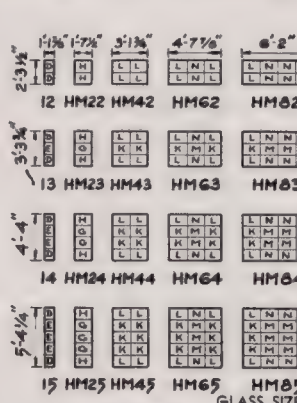
11 1/2" x 11 1/2" C
11 1/2" x 12" D
11 1/2" x 12 1/2" E
8 1/2" x 12 1/2" F
8 1/2" x 12" G
8 1/2" x 12" H
8 1/2" x 12" I
8 1/2" x 12" J
8 1/2" x 12" K
8 1/2" x 12" L
8 1/2" x 12" M
8 1/2" x 12" N
8 1/2" x 12" O
8 1/2" x 12" P
8 1/2" x 12" Q
8 1/2" x 12" R
8 1/2" x 12" S
8 1/2" x 12" T
8 1/2" x 12" U
8 1/2" x 12" V
8 1/2" x 12" W
8 1/2" x 12" X
8 1/2" x 12" Y
8 1/2" x 12" Z

NOTES: 1. Fin prices include head and jamb fins, attached. For separate pieces, see page 19.

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)
12	1.80	2.80	2.90
13	2.10	3.40	3.50
14	2.40	3.90	4.00
14T	2.50	4.00	4.10
15T	2.90	4.60	4.70
22	2.20	3.20	3.40
23	2.60	3.90	4.10
24	3.10	4.60	4.80
24T	3.30	4.80	5.00
25	3.60	5.30	5.50
25T	3.80	5.50	5.70
42	3.20	4.40	4.80
43	4.00	5.50	5.90
44	4.90	6.60	7.00
45	5.70	7.60	8.00
62	4.40	5.80	6.40
63	5.60	7.30	7.90
64	6.70	8.60	9.20
65	7.80	9.90	10.50
82	5.60	7.10	7.90
83	7.00	8.80	9.60
84	8.30	10.30	11.10
85	9.60	11.80	12.60

STATIONARY CASEMENTS HORIZONTAL MUNTIN

Stock Types and Builders Prices



GLASS SIZES
Sizes below are in inches.

11 1/2" x 11 1/2" C
11 1/2" x 12" D
11 1/2" x 12 1/2" E
8 1/2" x 12 1/2" F
8 1/2" x 12" G
8 1/2" x 12" H
8 1/2" x 12" I
8 1/2" x 12" J
8 1/2" x 12" K
8 1/2" x 12" L
8 1/2" x 12" M
8 1/2" x 12" N
8 1/2" x 12" O
8 1/2" x 12" P
8 1/2" x 12" Q
8 1/2" x 12" R
8 1/2" x 12" S
8 1/2" x 12" T
8 1/2" x 12" U
8 1/2" x 12" V
8 1/2" x 12" W
8 1/2" x 12" X
8 1/2" x 12" Y
8 1/2" x 12" Z

NOTES: 2. Wood Surrounds are always shipped unattached. For separate piece deductions, see page 19.

Casement Type	Casement Price	With Steel Fins Attached (1)	With Wood Surrounds Knocked Down (2)
12	1.80	2.80	2.90
13	2.10	3.40	3.50
14	2.40	3.90	4.00
14T	2.50	4.00	4.10
15T	2.90	4.60	4.70
HM22	2.00	3.00	3.20
HM23	2.30	3.60	3.80
HM24	2.70	4.20	4.40
HM24T	2.80	4.30	4.50
HM25	3.10	4.80	5.00
HM25T	3.20	4.90	5.10
HM42	2.80	4.00	4.40
HM43	3.30	4.80	5.20
HM44	3.90	5.60	6.00
HM45	4.40	6.30	6.70
HM62	3.60	5.00	5.60
HM63	4.30	6.00	6.60
HM64	5.10	7.00	7.60
HM65	5.90	8.00	8.60
HM82	4.40	5.90	6.70
HM83	5.40	7.20	8.00
HM84	6.50	8.50	9.30
HM85	7.50	9.70	10.50

ABBREVIATIONS T—Transom Type CH—Curved Head C—Circle

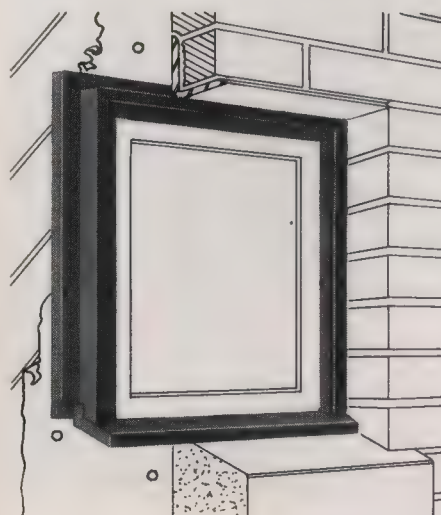
STATIONARY CASEMENTS FULL MUNTIN

Factory Shipment Types and Builders Prices

CECO ACCESSORIES FOR RESIDENCE CASEMENTS

BUILDERS PRICES

REDWOOD SURROUNDS



REDWOOD SURROUNDS DEDUCTIONS FOR PIECES OMITTED

Lights Wide	Head or Sill	Lights High	Each Jamb
1	\$0.20	1	\$.20
2	.25	2	.35
4	.45	3	.50
6	.65	4	.60
8	.80	5	.70
		6	.80

Above prices are for calculating deductions when complete surrounds are not used, or for pricing separate pieces, knocked down.

If one-piece surround sills are required for combinations of casements in a single opening, they are cut in the field from random lengths up to 14'.

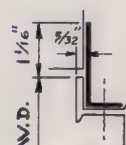
If Redwood Surround Mullions are to be used, figure complete surrounds and specify substitution of mullions for jamb pieces where required.

If Steel Mullions (below) are to be used, figure complete surrounds and deduct for omitted jamb pieces.

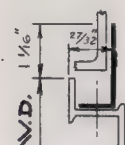
If Corner Mullions (below) are to be used, specify surrounds with head and sill pieces one light wider than casement; **ADD \$0.40 FOR THIS EXTRA WIDTH:** deduct for omitted jamb pieces.

Factory-built of California Redwood, Ceco Surrounds are designed to provide ideal erection conditions. They act as self-contained stops and guides for locating plaster grounds, laying up masonry, siding, stucco, etc. For maximum weathertightness they are attached to casements in a bed of mastic. Redwood Surrounds are priced, knocked down, alongside casement prices, on pages 11, 13, 15, 17 and 18.

STEEL FINNS



STANDARD FIN
TURNED OUT




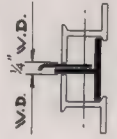
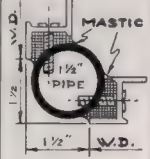
STANDARD FIN
TURNED IN

Designed for installing casements in masonry, etc. Complete fins, including head and jamb pieces, attached to casements, are priced alongside casement prices, on pages 11, 13, 15, 17 and 18. Fins are attached **turned out** unless otherwise specified. (Attachment with mastic is unnecessary; if desired, **ADD \$.10 per fin.**)

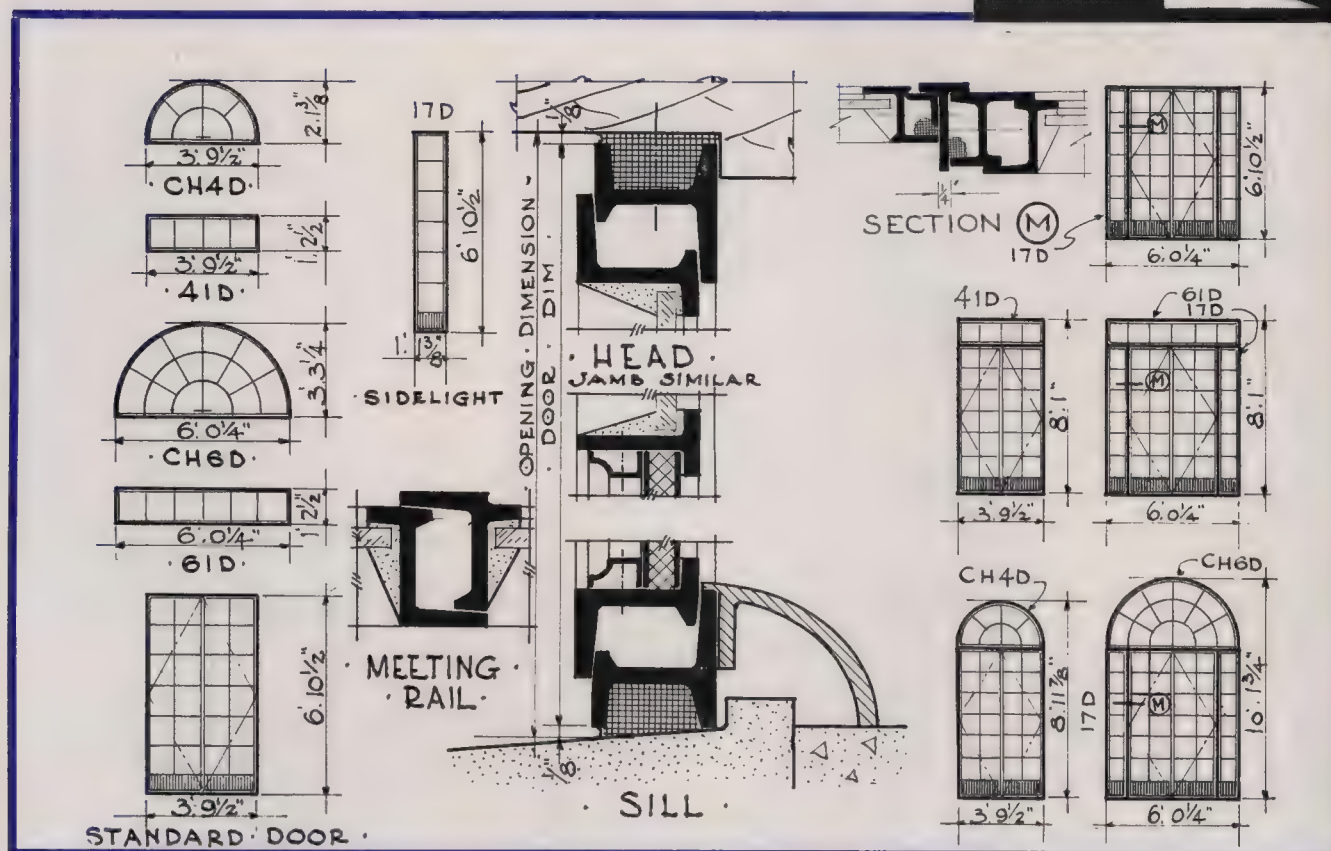
FINS IN SEPARATE PIECES

Lts. Wide	Head Fin	Lts. High	Jamb Fins (2)	Lts. Wide	Sill Fin
1	\$0.30	1	\$0.50	1	\$0.30
2	.30	2	.70	2	.30
4	.50	3	1.00	4	.50
6	.70	4	1.20	6	.70
8	.80	5	1.40	8	.70
		6	1.60	8	.80

CASEMENT MULLIONS

VERTICAL			HORIZONTAL			CORNER			CECO STORM WINDOWS	
	Lights High	Price		Lights Wide	Price		Lights High	Price	<p>Ceco Storm Windows cover the casement on the inside, forming a double window, with an insulated dead air space between the units.</p> <p>For prices and other information relative to the Ceco Storm Window, write to Chicago office.</p> <p>STEEL CASINGS AND STOOLS</p> <p>Prices for Casings and Stools for Ceco Residence Casements will be furnished on request.</p>	
	1	\$0.30		1	\$0.40		1	\$1.50		
	2	.40		2	.60		2	1.90		
	3	.60		4	1.00		3	2.40		
	4	.80		6	1.40		4	2.90		
	5	.90		8	1.80		5	3.40		
	6	1.00		10	2.30		6	3.80		
				12	2.60					

Ceco Casement Doors are made of sections 1 3/8" deep. Both frame and vent weigh, in combined sections, 3.65 lbs. per lineal foot. Side lights and transoms are made of Residential Casement sections 1-1/16" deep.



Casement Door with Standard Bronze Handles	\$42.00	Mullion 6 Light Horizontal	3.70
Casement Door with Cylinder Lock Hardware	60.00	Fins—1 Light Jamb50
Sidelight 17D	7.30	Fins—7 Light Jamb	1.30
Transom 41D	2.80	Fins—4 Light Head80
Transom 61D	3.60	Fins—6 Light Head	1.30
Transom CH4D	5.70	Fins CH4D	2.20
Transom CH6D	9.20	Fins CH6D	2.60
Mullion 7 Light Vertical	3.20	Bronze Threshold ADD Extra List for Each Door	7.40
Mullion 4 Light Horizontal	2.20		

CECO BASEMENT WINDOWS

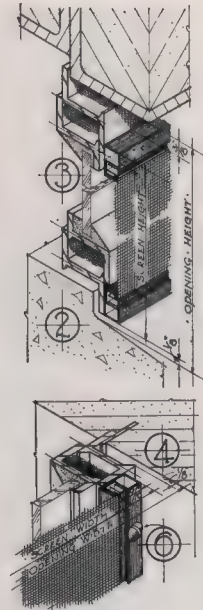
BUILDERS PRICES



THE EZE-ACTION BASEMENT WINDOW

The Ezee Action Steel basement window offers not just one outstanding feature but every outstanding feature required for a modern basement window. The name "Ezee Action" is understandable. The window is *Ezee* to install; *Ezee*

to Glaze because it is *Ezee* to remove the vent by simply pressing inward on the side arms at the pivot points; *Ezee* to open and close by means of easily accessible rigid hardware and *Ezee* to ventilate in either of two positions.

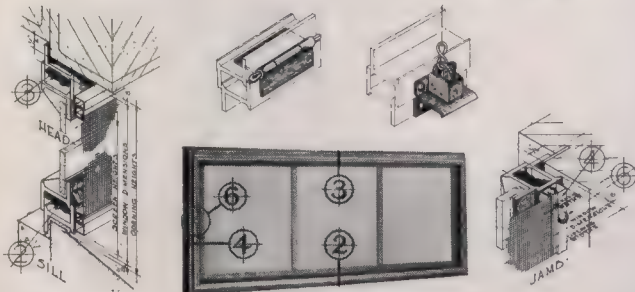


STOCK SIZES AVAILABLE FOR PROMPT SHIPMENT

Type	Size	No. Lite	Masonry Opening	PRICES			Type	Size	No. Lite	Masonry Opening	PRICES		
				Win-dows	Screens						Win-dows	Screens	
					16-Mesh	18-Mesh						16-Mesh	18-Mesh
EZ-2112	10x12	2 lt.	1'-10 ⁷ / ₈ " x 1'- 3"	\$2.80	\$1.80	\$2.00	EZ-3113	10x16	3 lt.	2'-9 ¹ / ₄ " x 1'- 7"	\$3.40	\$2.00	\$2.20
EZ-2112	14x20	2 lt.	2'- 6 ⁷ / ₈ " x 1'-11"	3.40	2.10	2.30	EZ-3113	10x20	3 lt.	2'-9 ¹ / ₄ " x 1'-11"	3.60	2.20	2.40
EZ-3113	10x12	3 lt.	2'- 9 ¹ / ₄ " x 1'- 3"	3.20	1.90	2.10	EZ-3113	12x18	3 lt.	2'-3 ³ / ₄ " x 1'- 9"	3.60	2.20	2.40

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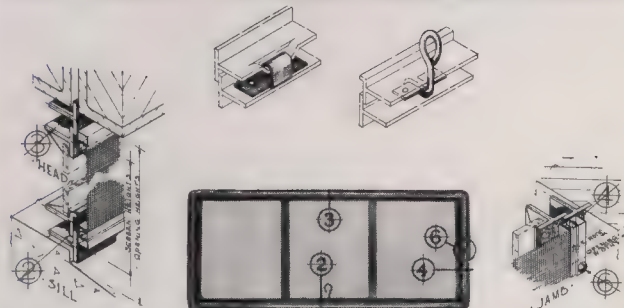
THE "SENIOR" TOP HINGED BASEMENT WINDOW



Ceco Senior Windows are made of identical sections used in the manufacture of Ceco Casements. Frames and ventilators form continuous double contact weathering at all points. The Senior Window can only be secured in the top hinged type which capably fills requirements where only top hinged Basement Windows can be used. This window is available only in the putty type. Spring lock hardware is standard.

Type	Opening Size	Nominal Glass Size	PRICES		
			Win-dows	Screens	
				16 Mesh	18 Mesh
SR-31130	2'8 ³ / ₄ " x 1' 2 ³ / ₈ "	10"x12"	\$3.20	\$1.90	\$2.10
SR-21120	2'6 ³ / ₈ " x 1' 10 ³ / ₈ "	14"x20"	3.40	2.10	2.30
SR-31130	2'8 ³ / ₄ " x 1' 10 ³ / ₈ "	10"x20"	3.60	2.20	2.40
SR-31130	3'2 ³ / ₄ " x 1' 8 ³ / ₈ "	12"x18"	3.60	2.20	2.40

THE "JUNIOR" TOP HINGED BASEMENT WINDOW



Ceco Junior Windows are made of 1" Tee Bar Sections. This window has been designed to meet conditions where the utmost in economy is required. The Junior Window can only be secured in the top-hinged type and is available only in the Putty type. All of the above types of Basement Windows are prepared for screen and storm window attachment. Storm Window prices upon application.

Type	Opening Size	Nominal Glass Size	PRICES		
			Win-dows	Screens	
				16 Mesh	18 Mesh
JR-31130	2'9 ¹ / ₄ " x 1' 2 ⁷ / ₈ "	10"x12"	\$2.50	\$1.90	\$2.10
JR-21120	2'6 ⁷ / ₈ " x 1' 10 ⁷ / ₈ "	14"x20"	2.50	2.10	2.30
JR-31130	2'9 ¹ / ₄ " x 1' 10 ⁷ / ₈ "	10"x20"	2.50	2.20	2.40
JR-31130	3'3 ¹ / ₄ " x 1' 8 ⁷ / ₈ "	12"x18"	2.50	2.20	2.40

Mullions for combining two or more of either Ezee-Action, Senior or Junior Basement Windows in one opening, each.....\$0.40

Opening sizes for the "SENIOR" and "JUNIOR" basement windows should be reversed.

BUILDERS PRICES

guard combined in one unit. Openings in ventilator and in main frame above and below the ventilator are to be glazed but those immediately in front of the ventilator are left unglazed to act as a grille.



- 5—Outside Head Frame Member is a special rolled angle shaped section designed to allow $\frac{3}{4}$ " continuous anchorage.
6—Section showing outside frame and ventilator jamb members.

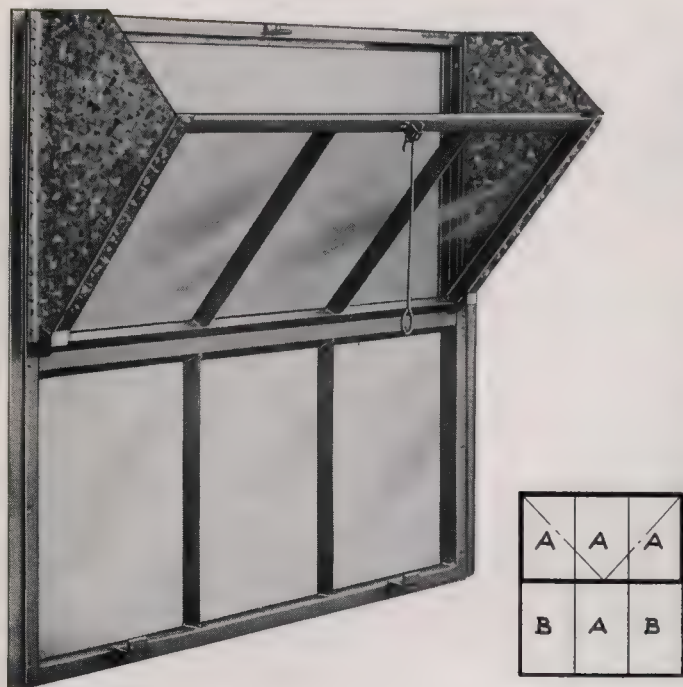
Type	Opening Size		Price of Windows	Price of Screens	Price of Mullions	Type	Opening Size		Price of Windows	Price of Screens	Price of Mullions
	Width	Height					Width	Height			
42-1-4-0	2'-15/8"	x3'-15/8"	\$11.40	\$2.60	\$0.80	42	2'-15/8"	x3'-15/8"	\$ 3.70	.....	\$0.80
43-1-8-0		x4'-8"	13.50	3.30	1.10	43		x4'-8"	4.70	.....	1.10
62-1-6-0	3'-2"	x3'-15/8"	12.90	3.00	.80	62	3'-2"	x3'-15/8"	4.70	.....	.80
63-1-12-0		x4'-8"	15.90	3.80	1.10	63		x4'-8"	6.20	.....	1.10
64-1-12-1		x6'-23/8"	17.70	3.80	1.60	64		x6'-23/8"	7.60	.....	1.60
82-1-8-0	4'-23/8"	x3'-15/8"	14.40	3.30	.80	82	4'-23/8"	x3'-15/8"	5.80	.....	.80
83-1-16-0		x4'-8"	18.30	4.40	1.10	83		x4'-8"	7.60	.....	1.10
84-1-16-1		x6'-23/8"	20.40	4.40	1.60	84		x6'-23/8"	9.50	.....	1.60
103-1-20-0	5'-23/4"	x4'-8"	21.00	4.70	1.10	10-3	5'-23/4"	x4'-8"	9.10	.....	1.10
104-1-20-1		x6'-23/8"	24.00	4.70	1.60	10-4		x6'-23/8"	11.30	.....	1.60

18 MESH CLOTH: For 18 mesh cloth in place of standard 16 mesh screen cloth, ADD \$0.20 each

CECO BARN AND UTILITY WINDOWS

BUILDERS PRICES

BARN WINDOW



The Ceco Barn Window is fabricated from hot rolled sections assuring sturdy rigid construction. Made in two convenient sizes adaptable to block construction. Galvanized 16 gauge shields prevent drafts and are rust resistant.

Type	Glass Size		Opening Dimensions	PRICES		
	A	B		Window	16 Mesh	18 Mesh
32131	10x16	10 $\frac{3}{4}$ x16	2' 10 $\frac{1}{4}$ " x 2' 11 $\frac{1}{8}$ "	\$6.75	\$2.00	\$2.20
32131	12x20	12 $\frac{3}{4}$ x20	3' 4 $\frac{1}{4}$ " x 3' 7 $\frac{1}{8}$ "	8.25	2.30	2.50

Mullions for combining two or more utility windows in one opening. Each\$0.70

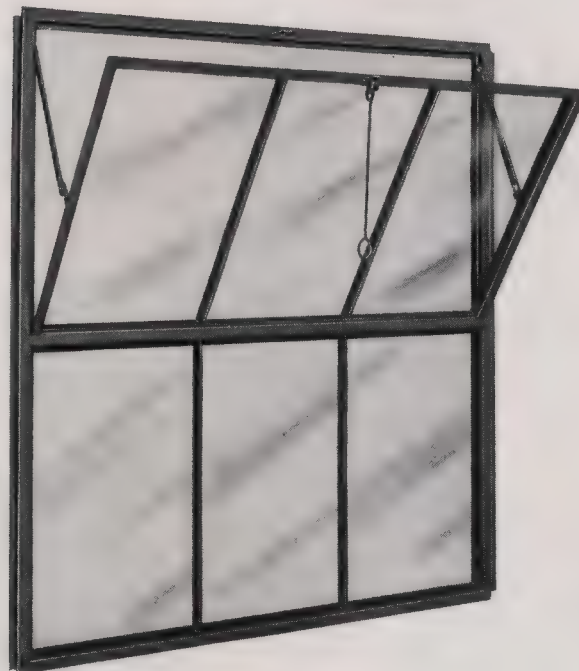
CHECK THESE IMPORTANT FEATURES

Double contact weathering around entire perimeter at ventilator. May be glazed with or without putty (Always specify on order if windows are to be putty or puttyless glazed).

Ventilator can be partly opened, resting on 16 gauge shield for indirect ventilation.

Direct ventilation may be obtained by dropping ventilator to sill, also affording clear opening for easy entrance of materials. Easy, accessible spring lock.

CECO UTILITY WINDOWS



Ceco Utility Windows are made of the same sections used in the manufacture of Ceco Casements. Frames and ventilators form continuous double contact weathering at all points. The ventilator swings upward and inward preventing interference in driveways and other similar conditions.

Ceco Utility Windows are specially adapted to provide light in Basements where the residence is set close to the grade. The lower panes are below the grade line and a grating over the areaway makes the window appear one light high when viewed from the outside.

Ceco Utility Windows are designed for use in stores, shops, garages and farm buildings. They are especially desirable where ventilation without draft is an important feature.

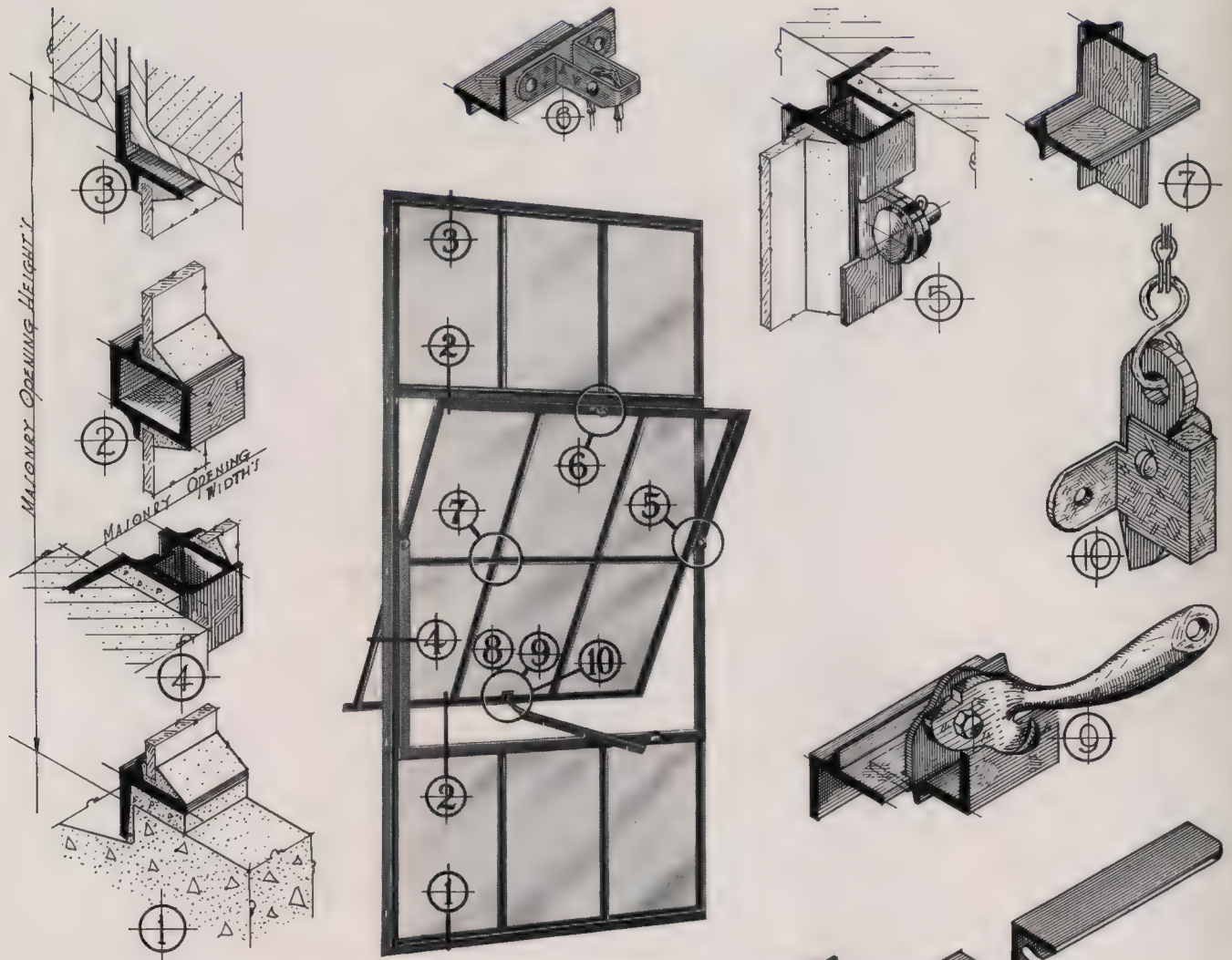
Type	Glass Size		Opening Dimensions	PRICES		
	A	B		Window	16 Mesh	18 Mesh
32131	10x16	10 $\frac{3}{4}$ x16	2' 9 $\frac{1}{4}$ " x 2' 10 $\frac{5}{8}$ "	\$5.00	\$2.00	\$2.20
32131	12x20	12 $\frac{3}{4}$ x20	3' 3 $\frac{1}{4}$ " x 3' 6 $\frac{5}{8}$ "	5.50	2.30	2.50

Mullions for combining two or more utility windows in one opening. Each\$0.70

CECO HORIZONTALLY PIVOTED WINDOWS

Ceco Horizontally Pivoted Steel Windows are designed for use in all types of industrial and commercial buildings. They are especially desirable for factories, warehouses, storage buildings, service

stations, etc. They are permanent and fireproof and open and close easily, regardless of climatic conditions.



HORIZONTALLY PIVOTED

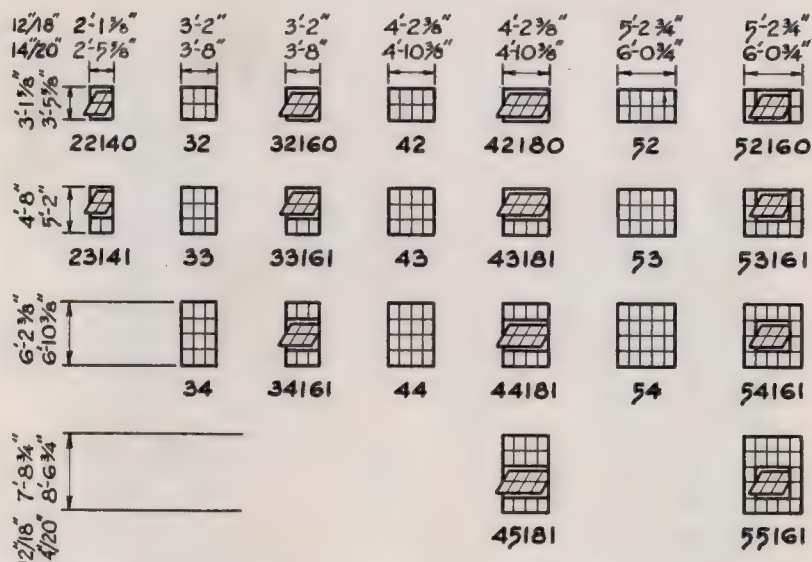
1. **OUTSIDE SILL FRAME MEMBER** is a special rolled angle shaped section designed to allow $\frac{3}{4}$ " continuous anchorage.
2. **VENTILATOR AND FRAME MEMBERS** are specially rolled angle shaped sections designed to provide continuous double contact weathering between ventilator and frame.
3. **OUTSIDE HEAD FRAME MEMBER** is a specially rolled angle shaped section designed to allow $\frac{3}{4}$ " continuous anchorage.
4. **JAMB MEMBERS** are designed to insure double contact weathering.
5. **SOLID STEEL PIVOT** with removable pin insures ease of operation and durability.
6. **ROLLER BRACKET** located at head of ventilator is used with spring latch and chain hardware.

7. **MUNTIN CROSSJOINT**—Muntins are carefully welded insuring a rigid one piece window.

- 8-9-10. **CAM ACTING PUSH BAR** notched at intervals to permit any desired amount of ventilation. Standard equipment for all ventilators accessible from the floor. **SPRING LATCH AND CHAIN** hardware enables the ventilator to be held in desired position by engaging chain in hook. Cam Lock and Chain optional.

CECO HORIZONTALLY PIVOTED WINDOWS

STOCK TYPES



DIMENSIONS—Smaller dimensions apply to sash with 12"x18" glass; larger dimensions to sash with 14"x20" glass.

GLASS SIZES—Glass in frames is 12"x18" or 14"x20", as specified; in vents, 1" less on sides abutting edges of vent.

Stock Type	12"x18" Glass	14"x20" Glass
22140	5.80	6.10
23141	6.40	6.80
32	3.20	3.40
33	4.10	4.40
34	5.00	5.40
32160	6.70	7.10
33161	7.60	8.10
34161	8.40	9.00
42	3.80	4.00
43	5.00	5.30
44	6.10	6.50
42180	7.70	8.30
43181	8.80	9.50
44181	9.90	10.60
45181	11.10	11.90
52	4.40	4.70
53	5.90	6.30
54	7.20	7.80
52160	7.70	8.30
53161	9.20	9.90
54161	10.70	11.50
55161	12.10	13.00

$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$
$\frac{12}{18}$	$\frac{11}{17}$	$\frac{12}{17}$	$\frac{11}{17}$	$\frac{12}{18}$
$\frac{12}{18}$	$\frac{11}{17}$	$\frac{12}{17}$	$\frac{11}{17}$	$\frac{12}{18}$
$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$	$\frac{12}{18}$

VERTICAL MULLIONS AND COVERS				
Lights High	MULLIONS		MULLION COVERS	
	12" x 18"	14" x 20"	12" x 18"	14" x 20"
2	\$.80	\$.90	\$.90	\$ 1.00
3	1.20	1.30	1.20	1.30
4	1.60	1.70	1.30	1.40
5	1.90	2.00	1.50	1.60
6	2.20	2.40	1.70	1.80

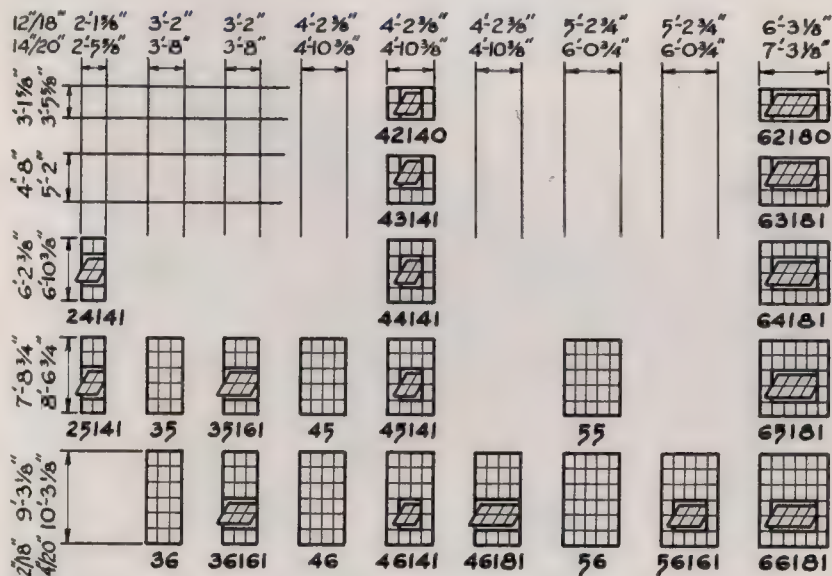
Types at top of page are stocked for prompt delivery.

Types at bottom of page require factory assembly and shipment.

$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$
$\frac{14}{20}$	$\frac{13}{19}$	$\frac{14}{19}$	$\frac{13}{19}$	$\frac{14}{20}$
$\frac{14}{20}$	$\frac{13}{19}$	$\frac{14}{19}$	$\frac{13}{19}$	$\frac{14}{20}$
$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$	$\frac{14}{20}$

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FACTORY SHIPMENT TYPES



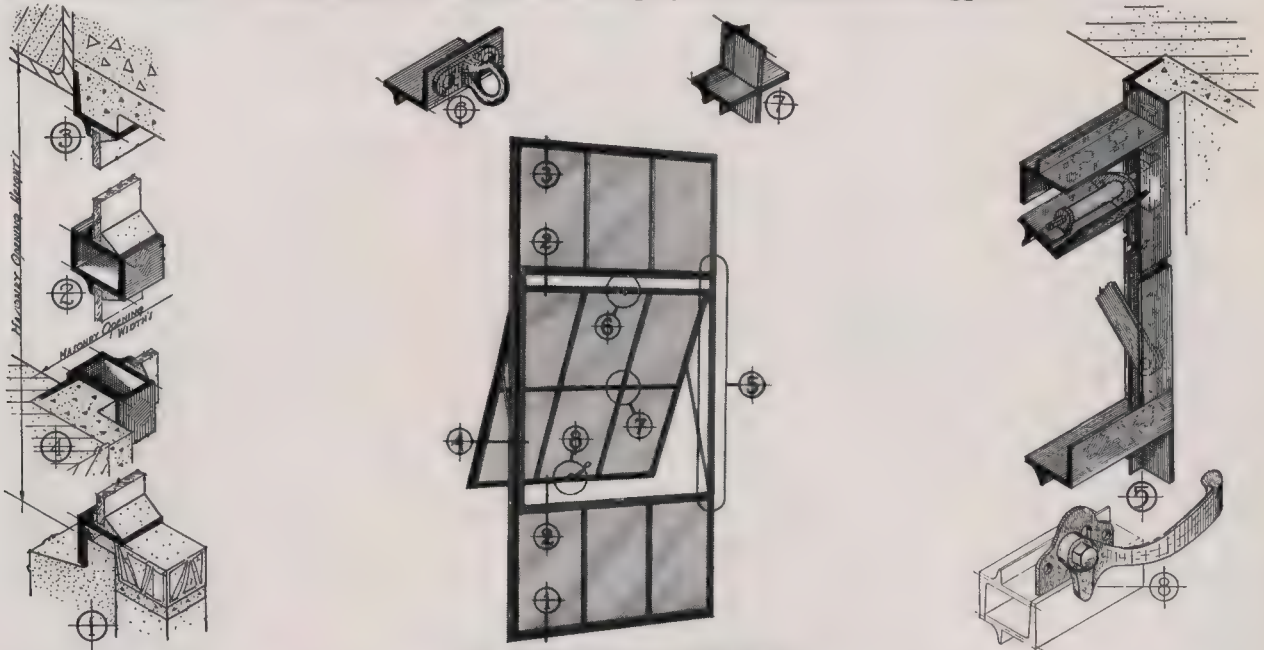
DIMENSIONS—Smaller dimensions apply to sash with 12"x18" glass; larger dimensions to sash with 14"x20" glass.

GLASS SIZES—Glass in frames is 12"x18" or 14"x20", as specified; in vents, 1" less on sides abutting edges of vent.

Stock Type	12"x18" Glass	14"x20" Glass
24141	7.00	7.40
25141	7.70	8.30
35	5.90	6.40
36	6.80	7.40
35161	9.30	9.90
36161	10.40	11.10
45	7.20	7.80
46	8.40	9.10
42140	6.90	7.40
43141	8.10	8.60
44141	9.20	9.80
45141	10.40	11.10
46141	11.70	12.50
46181	12.40	13.30
55	8.80	9.30
56	10.00	10.90
56161	13.60	14.70
62180	8.80	9.40
63181	10.50	11.30
64181	12.40	13.10
65181	13.70	14.90
66181	15.60	16.90

CECO COMMERCIAL PROJECTED WINDOWS

Ceco Commercial Projected Windows are designed for all types of commercial and industrial buildings and for many types of offices, schools and public buildings. Ventilators are designed to project in or project out, and screens can be furnished for either type. Where shading is an important factor project out ventilators are suggested.



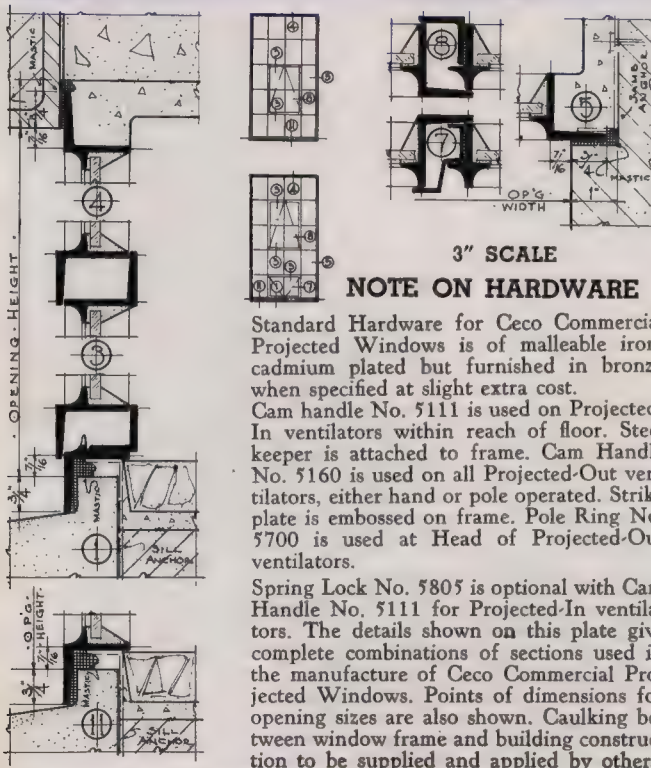
COMMERCIAL PROJECTED

1. **OUTSIDE SILL FRAME MEMBER** is a special rolled angle shaped section designed to allow $\frac{3}{4}$ " continuous anchorage.
2. **VENTILATOR AND FRAME MEMBERS** are specially rolled angle shaped sections designed to provide continuous double contact weathering between ventilator and frame.
3. **OUTSIDE HEAD FRAME MEMBER** is a specially rolled angle shaped section designed to allow $\frac{3}{4}$ " continuous anchorage.
4. **JAMB MEMBERS** are specially rolled angle shaped sections designed to provide continuous double contact weathering between ventilator and frame.
5. **SLIDING FRICTION SHOE AND SUPPORTING ARM**—Projected ventilators are balanced on heavy $\frac{1}{4}$ "x $\frac{3}{4}$ " support-

ing arms. Arms are concealed when ventilator is closed. Ventilators are equipped with bronze sliding friction shoes, (2 per vent) suspended from the hinged point of the ventilator with a bolt backed by a compression spring of heavy rust proofed music wire which assures constant friction at all times. Compression springs are completely enclosed in brass housing.

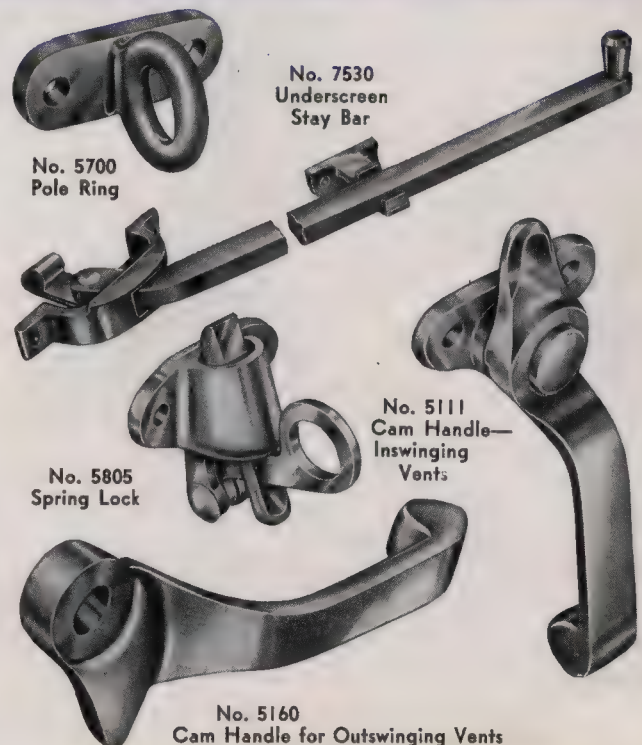
6. **POLE HOOK RING**—Used at head of ventilators for operation by pole when ventilators are not accessible from floor.
7. **MUNTIN CROSSJOINT**—Muntins are carefully interlocked insuring rigidity.
8. **LOCKING HANDLE**—Cam action securely locks ventilator insuring a completely weather tight window.

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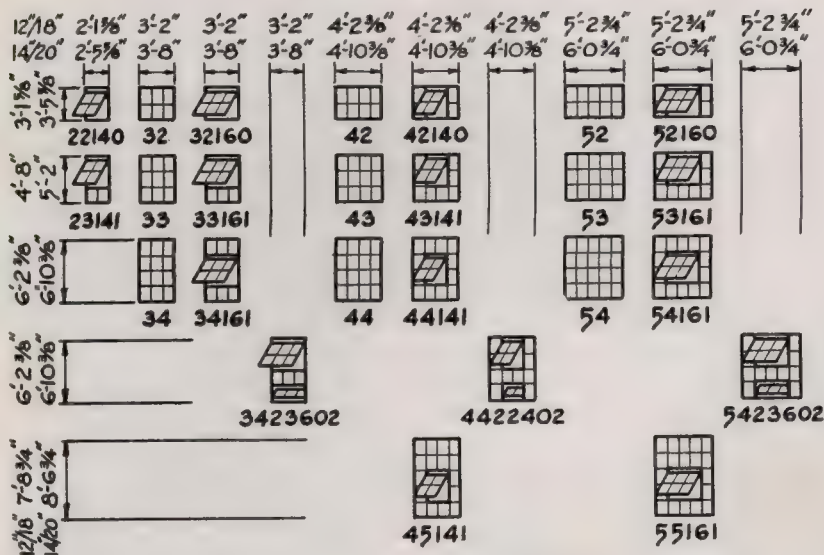
3" SCALE NOTE ON HARDWARE

Standard Hardware for Ceco Commercial Projected Windows is of malleable iron, cadmium plated but furnished in bronze when specified at slight extra cost. Cam handle No. 5111 is used on Projected-In ventilators within reach of floor. Steel keeper is attached to frame. Cam Handle No. 5160 is used on all Projected-Out ventilators, either hand or pole operated. Strike plate is embossed on frame. Pole Ring No. 5700 is used at Head of Projected-Out ventilators. Spring Lock No. 5805 is optional with Cam Handle No. 5111 for Projected-In ventilators. The details shown on this plate give complete combinations of sections used in the manufacture of Ceco Commercial Projected Windows. Points of dimensions for opening sizes are also shown. Caulking between window frame and building construction to be supplied and applied by others.



CECO COMMERCIAL PROJECTED WINDOWS

STOCK TYPES

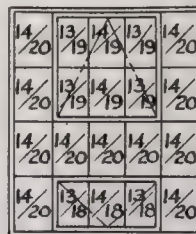


DIMENSIONS—Smaller dimensions apply to sash with 12"x18" glass; larger dimensions to sash with 14"x20" glass.

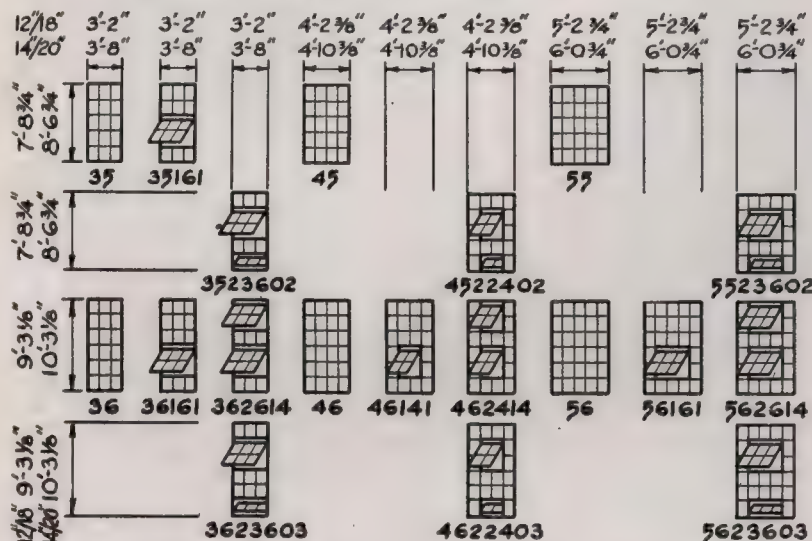
GLASS SIZES—Glass in frames is 12"x18" or 14"x20", as specified; in vents, 1" less on sides abutting edges of vent.



Vertical Mullions and Mullion Covers for Commercial Projected Windows are exactly the same as those used with Horizontally Pivoted Windows of the same height. They are priced on page 25.



FACTORY SHIPMENT TYPES



DIMENSIONS—Smaller dimensions apply to sash with 12"x18" glass; larger dimensions to sash with 14"x20" glass.

GLASS SIZES—Glass in frames is 12"x18" or 14"x20", as specified; in vents, 1" less on sides abutting edges of vent.

For description Screens for Projected Windows see page 7.

Stock Type	12" x 18" Glass	14" x 20" Glass
22140	7.80	8.10
23141	8.40	8.80
32	3.20	3.40
33	4.10	4.40
34	5.00	5.40
32160	8.70	9.10
33161	9.60	10.10
34161	10.40	11.00
3423602	15.80	16.40
42	3.80	4.00
43	5.00	5.30
44	6.10	6.50
42140	8.90	9.40
43141	10.10	10.60
44141	11.20	11.90
45141	12.40	13.10
4422402	16.40	17.10
52	4.40	4.70
53	5.90	6.30
54	7.20	7.80
52160	9.70	10.30
53161	11.20	11.90
54161	12.70	13.50
55161	14.10	15.00
5423602	18.10	18.90

SCREENS

FOR OUT PROJECTING VENTS

	12" x 18"	14" x 20"
4 Light	\$4.20	\$4.60
6 Light	4.80	5.30

FOR IN PROJECTING VENTS

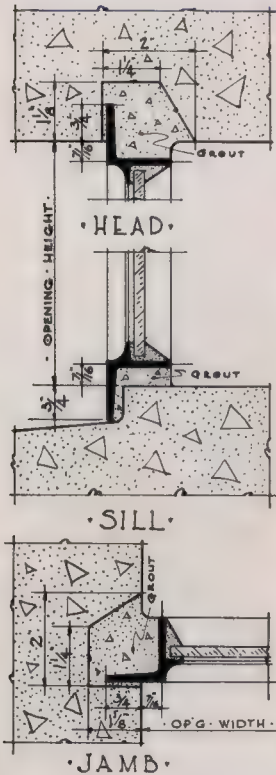
	12" x 18"	14" x 20"
2 Light	\$2.40	\$2.60
3 Light	2.80	3.20
4 Light	3.20	3.50
6 Light	3.60	4.10

Above prices are for 16 mesh cloth screens. If 18 mesh is required, add per screen \$0.20

Stock Type	12" x 18" Glass	14" x 20" Glass
35	5.90	6.40
36	6.80	7.40
35161	11.30	11.90
36161	12.40	13.10
3523602	16.70	17.30
362614	17.80	18.70
3623603	17.80	18.70
45	7.20	7.80
46	8.40	9.10
46141	13.70	14.50
4522402	17.60	18.30
462414	18.90	19.70
4622403	18.90	19.70
55	8.60	9.30
56	10.00	10.90
56161	15.60	16.70
5523602	19.50	20.40
562614	21.00	22.20
5623603	21.00	22.20

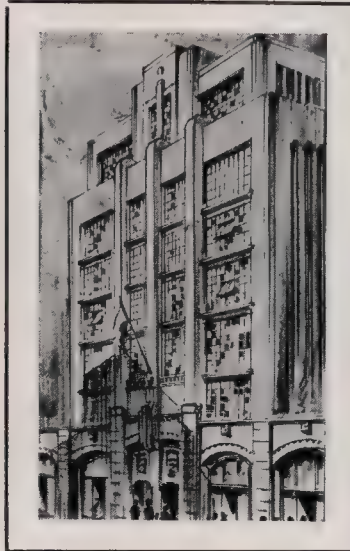
CECO HORIZONTALLY PIVOTED WINDOWS

SUGGESTED DETAILS



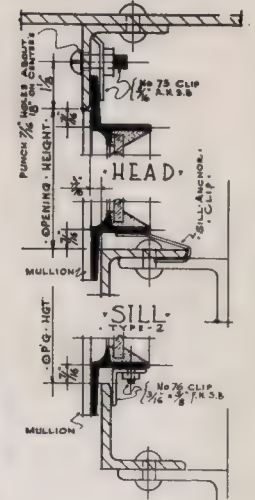
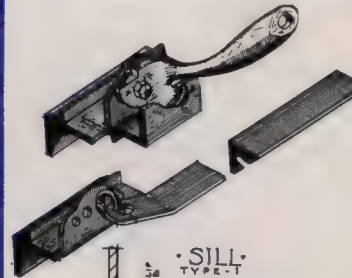
CONCRETE INSTALLATION DETAILS

All details
on this page
in 3" scale.

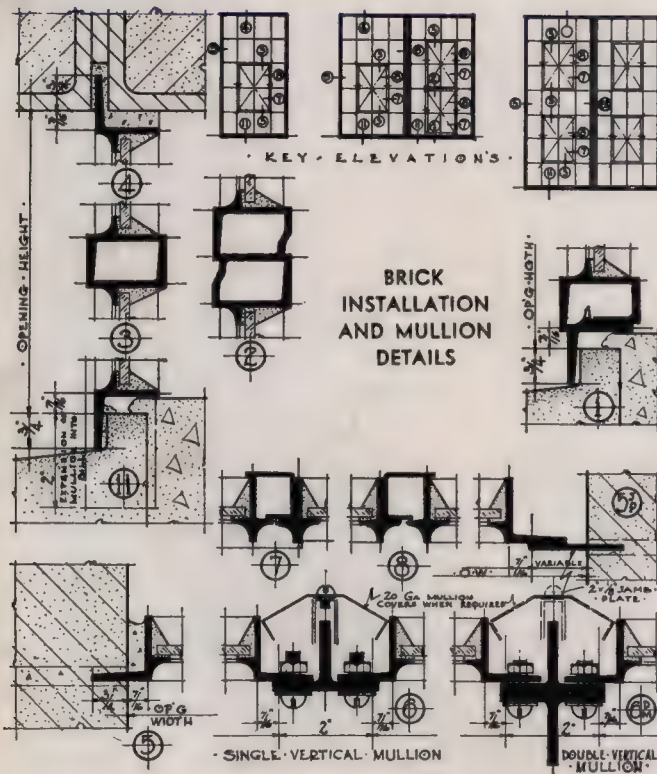


CENTRAL STEEL & WIRE CO., CHICAGO, ILL.
Alfred S. Alschuler, Architects, Engineers
and Contractors

STEEL ANGLE INSTALLATION DETAILS



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BRICK INSTALLATION AND MULLION DETAILS

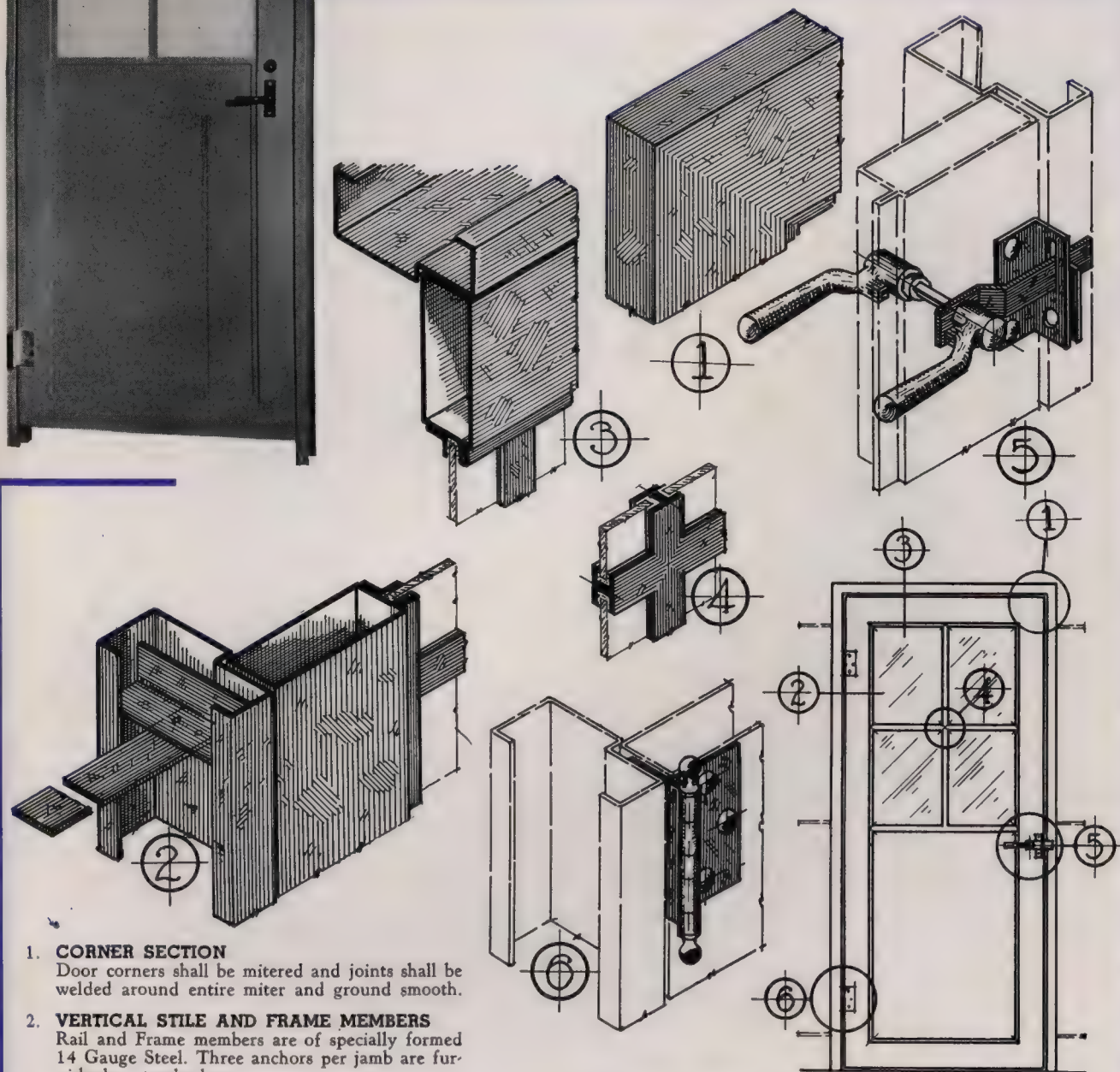
SYMMETRICAL WINDOW COMBINATIONS

Width 12" x 18" Glass	Width 14" x 20" Glass	Type and Arrangement of Windows	Number Lights Wide	Number Win- dows Wide	Number of Mul- lions
4' 5 1/4"	5' 11 1/4"	2-2	4	2	1
6' 6 3/4"	7' 6 3/4"	3-3	6	2	1
8' 10 3/4"	9' 10 3/4"	4-4	8	2	1
9' 10 3/4"	11' 4"	3-3-3	9	3	2
10' 7 1/2"	12' 3 1/2"	5-5	10	2	1
10' 10 3/8"	12' 6 3/8"	3-4-3	10	3	2
11' 10 3/4"	13' 8 3/4"	3-5-3	11	3	2
12' 8 1/4"	14' 8 1/4"	6-6	12	2	1
12' 11 1/8"	14' 11 1/8"	4-4-4	12	3	2
13' 2"	15' 2"	3-3-3-3	12	4	3
13' 11 1/2"	16' 1 1/2"	4-5-4	13	3	2
14' 11 1/8"	17' 3 1/8"	5-4-5	14	3	2
15' 2 3/4"	17' 6 3/4"	3-4-4-3	14	4	3
16' 0 1/4"	18' 6 1/4"	5-5-5	15	3	2
16' 6"	19' 0"	3-3-3-3-3	15	5	4
17' 0 5/8"	19' 8 5/8"	5-6-5	16	3	2
17' 3 1/2"	19' 11 1/2"	4-4-4-4	16	4	3
17' 6 3/8"	20' 2 3/8"	3-3-4-3-3	16	5	4
18' 1"	20' 11"	6-5-6	17	3	2
18' 6 3/4"	21' 4 3/4"	3-4-3-4-3	17	5	4
19' 1 3/8"	22' 1 3/8"	6-6-6	18	3	2
19' 4 1/4"	22' 4 1/4"	4-5-5-4	18	4	3
19' 7 1/8"	22' 7 1/8"	3-4-4-4-3	18	5	4
20' 7 1/2"	23' 9 1/2"	4-4-3-4-4	19	5	4
21' 5"	24' 9"	5-5-5-5	20	4	3
21' 7 7/8"	24' 11 7/8"	4-4-4-4-4	20	5	4
21' 10 3/4"	25' 2 3/4"	3-3-4-4-3-3	20	6	5
22' 8 1/4"	26' 2 1/4"	3-5-5-5-3	21	5	4
23' 2 1/4"	26' 8"	3-3-3-3-3-3-3	21	7	6
23' 8 3/8"	27' 4 5/8"	5-4-4-4-5	22	5	4

CECO INDUSTRIAL DOORS



Ceco Steel Doors are designed to withstand constant hard usage, to be unaffected by weather conditions and to last indefinitely. Steel doors are fire-resisting, do not warp, swell or rot. They are adaptable for use in Boiler Rooms, Pent Houses, Schools, Hospitals, Grain Elevators, Service Stations, Garages and Factories.



1. CORNER SECTION

Door corners shall be mitered and joints shall be welded around entire miter and ground smooth.

2. VERTICAL STILE AND FRAME MEMBERS

Rail and Frame members are of specially formed 14 Gauge Steel. Three anchors per jamb are furnished as standard.

3. HORIZONTAL RAIL AND FRAME MEMBERS

Rail and Frame Members are of specially formed 14 Gauge Steel.

4. MUNTIN CROSS JOINT

Muntins are carefully welded at points of intersection and to rails and stiles.

5. LEVER LATCH

Heavy and serviceable equipped with neat lever handles.

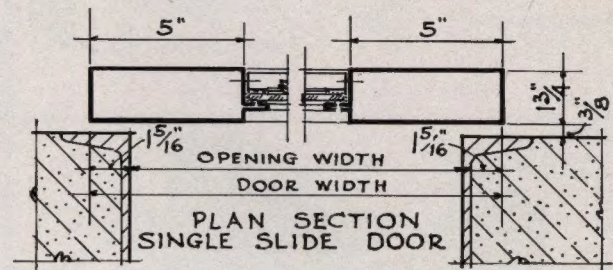
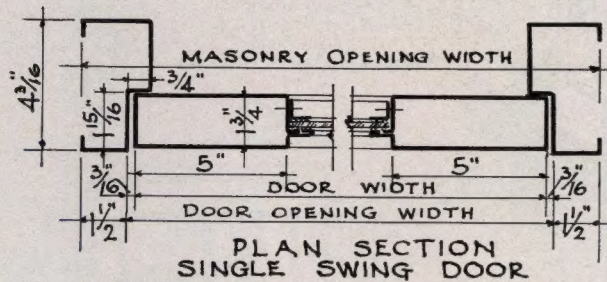
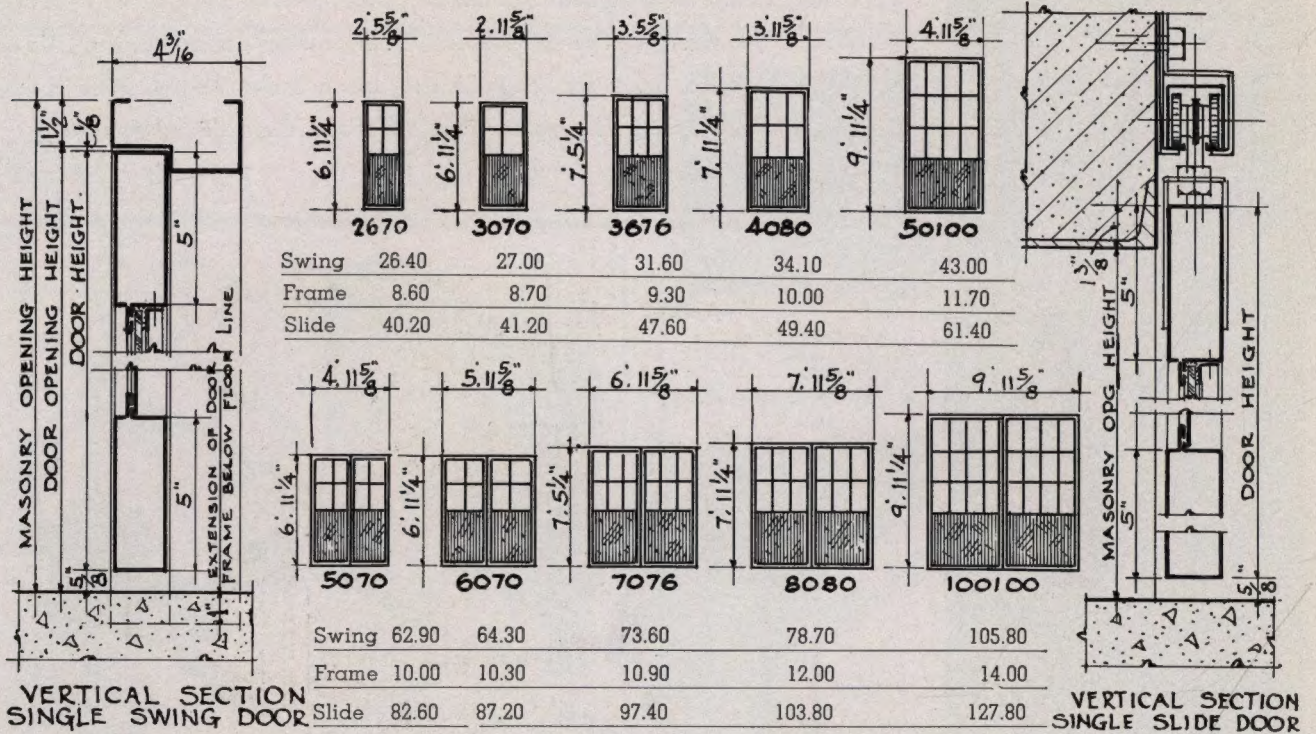
6. HINGES

Two extra heavy half surface loose pin steel butts are furnished for each swing leaf up to and including 7'-6" in height. Over 7'-6" three hinges are furnished. Frame heavily reinforced for the attachment of butts.

NOTES: Door frames are formed of special shaped channel sections with stops formed as an integral part of the frame. Door stiles and rails on special formed tubing. Solid steel panel doors will be furnished in the above sizes at no additional cost.

CECO INDUSTRIAL DOORS

TYPES — SIZES — BUILDER'S PRICES



Prices shown in tables above include the following items of hardware:

Slide doors: Complete track equipment, hasp and staple handles, floor guides and door stops.

Swing doors: Hinges and top and bottom bolts for inactive leaf of double doors.

NOTE: Swing door prices do not include lock or lever latch—see "Standard List Extras." Slide door prices include hasp and staple for padlocking but no padlock is included or furnished.

For other hardware refer to "Standard List Extras."

STANDARD LIST EXTRAS

HARDWARE VARIATIONS:

Cylinder Locks.

One Cylinder lock required per door opening for use with swing doors only.

With Iron handles, list per lock \$19.50

With bronze handles, list per lock 21.50

Lever Latch for swing doors (without padlock).

List per door opening 2.20

Hook Back and Ring for swing doors.

List per door leaf 0.90

DISCOUNTS APPLICABLE TO CECO COMMODITY PRODUCTS

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ANY Dealer may buy articles termed "Commodity Products" at published prices applicable to the zone in which he is located, less Dealers' Discount. He may sell these products at the above described published prices.

Any Dealer may buy, at published prices, any Commodity Product manufactured by Ceco Steel Products Corporation.

APPLICATION OF DISCOUNTS

Dealers' Discount applied to published prices gives Deal

ers' Net Price F.O.B. Shipping Point, Freight Allowed (unless otherwise indicated on discount sheet).

On all quotations prices should show exact cents. For any fraction of a cent, add one cent.

SALES OR USE TAXES

Sales or use taxes levied by State or other taxing authorities must be quoted as separate and additional items; they are not included in these prices.



The above map will tell you in what Zone your locality is included. Make sure the prices in this book apply to that Zone (see Title Page). . . . NOTE: The marginal cities of Fargo, N. D., Omaha, Nebr., Kansas City, Kans., are in Zone A.

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THIS SPACE FOR
DISCOUNT SHEET

ALL PRICES AND DISCOUNTS SUBJECT TO CHANGE WITHOUT NOTICE

THE CECO MANUFACTURING DIVISION

Representing the newest, most modern principles in factory design, the Ceco Manufacturing Division plant in Chicago has been expanded several times to meet the increased demand for Ceco products. Located near Chicago's busy "Clearing" industrial district, dealers are invited to visit when in the vicinity.



OTHER CECO PRODUCTS

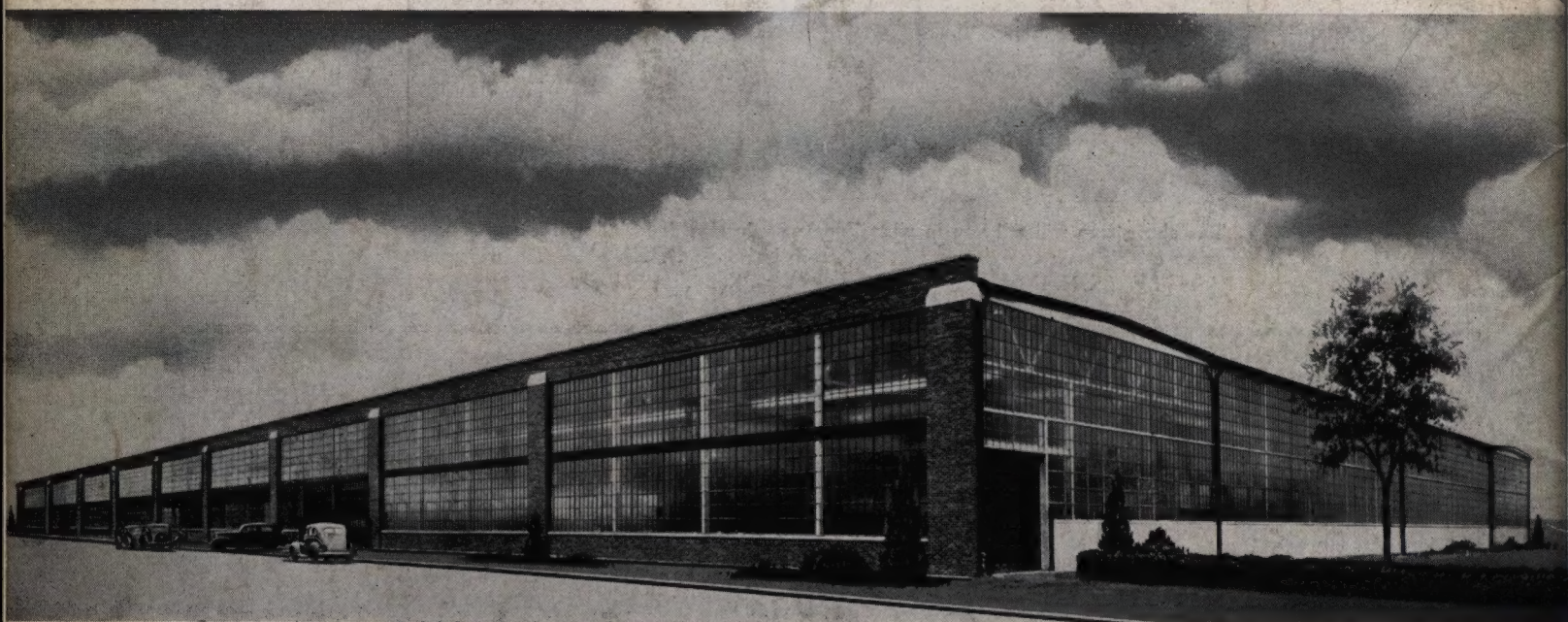
★ STEEL JOISTS ★ METAL FRAME SCREENS ★ METAL WEATHERSTRIPS ★ METAL LATH & ACCESSORIES
★ STEEL ROOF DECK ★ MEYER STEEL-FORMS ★ WELDED FABRIC ★ CONCRETE REINFORCING BARS
★ ADJUSTABLE SHORES AND COLUMN CLAMPS



Ceco Steel Products Corporation

Manufacturing Division: 5701 W. 26th St., Chicago, Illinois

General Offices: Omaha, Nebraska



SALES OFFICES AND WAREHOUSES:

Atlanta, 12 Pine Circle, N. E.

Birmingham, 705 Martin Bldg.

Chicago, 1926 So. 52nd Ave.

Cincinnati, 626 Broadway

Dallas, 307 Construction Bldg.

Des Moines, 400 Hubbell Bldg.

Detroit, 408 Guaranty Trust Bldg.

Houston, 2814 Pease Ave.

Indianapolis, 805 Lemcke Bldg.

Jersey City, Foot of New York Ave.

Kansas City, 1000 Waltower Bldg.

Los Angeles, 1450 Mirasol St.

Milwaukee, Bartlett Bldg.

Minneapolis, 2801 E. Hennepin Ave.

New Orleans, 210 Balter Bldg.

Oklahoma City, 625 Insurance Bldg.

Omaha, 1141 No. 11th St.

Peoria, South Bartonville

San Antonio, 501 Builders Exchange

San Francisco, 1280 Indiana St.

St. Louis, 4903 Delmar St.

Washington, 4510 Brandywine St., N. W.

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